

AUTO CALL

DECEMBER 1989



Auto-Call is the Official Journal of the Foundation For Amateur Radio

\$1.00

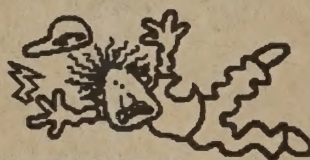
Now even better - 1-800-447-7489

Been all over the world
looking for a ham dealer
who really cares ?



Tired of being left out
on a limb after your
purchase ?

Shocked at the treatment
you've received?



Come visit the dealer who
really cares about you.

**MARYLAND
RADIO
CENTER, INC.**

8576 Laureldale Drive
Laurel, Maryland - 20707
Voice - 301-725-1212 (Laurel)
301-470-HAMM (Washington)
301-880-HAMM (Baltimore)
FAX - 301-725-1198
Modem - 301-725-8307 (8N1) 300-1200-2400 Baud

We're an authorized dealer and
Service Center for Kenwood and
ICOM. We are also an authorized
service center for Yaesu.

Note our new hours - Now till 8PM

Now, direct dial Washington and
Baltimore area telephones !

Open Mon-Fri 10AM-8PM / Sat 9AM-5PM

From the B/W
parkway, take 198
west 3 lights and
turn right at the
Acura dealer. We
are at the end of
Laureldale drive.

- Fully equipped service shop
- Public Technical Library
- Free Coffee every day
- Ham exams every month
- Free Public "Junk box"
- Novice equipment loaners
- Free monthly newsletter
- Priority repair plan
- On-Air demos set-up
- Special events monthly
- Computer BBS 24 Hrs/day
- Used/Consignment sales

AUTO-CALL

Official Journal of the Foundation for Amateur Radio

FOUNDATION OFFICERS

Foundation President	Robert Moore, N3CKD (301) 776-3571
Executive Vice President	Nancy Draheim, NK4U (703) 691-0078
Admin. Vice President	Henry Miller, W3BWN (301) 474-7376
Vice President	Robert Henkel, NA3R (301) 649-4494
Vice President	Bob Milligan, KI4MB (703) 534-1319
Vice President	Tony Young, WA3YLO (301) 262-1917
Treasurer	Ed Morrison, W3RY (202) 966-4802
Recording Secretary	Mary Morris, N4TCI (703) 971-3905
Corresponding Secretary	Irene Akers, W3RXJ (301) 423-7138

AUTO-CALL MAGAZINE STAFF

Editor	Ethel Smith, K4LMB (703) 536-8469
Circulation Manager	John Swafford, W4HU (703) 536-9537

Deadline for copy is the 5th of the month. All contributions are welcomed, but the editor does reserve the right to edit or reject any portion of any copy.

Permission is granted for copying any material from AUTO-CALL provided credit is given.

AUTO-CALL is published monthly as the official journal of the Foundation for Amateur Radio. Comments made by columnists do not necessarily reflect the opinions of the Foundation. No effort is made to investigate advertisers, therefore no warranty can be implied.

AUTO-CALL has paid subscriptions of about 1500 and a total circulation of over 1700. Copies are sold at local stores and a number of Swap and Complimentary copies are mailed each month. The magazine is entered as third class non-profit matter at the post office at Arlington, VA.

Subscription rate is \$6 a year.

Subscriptions received after the 15th of the month will be started with the following month's issue.

AUTO-CALL MAGAZINE
P.O. BOX 7612
FALLS CHURCH, VA 22046-1452

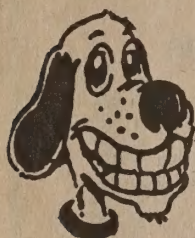
MEMBER CLUBS

Adams County Amateur Radio Society
Alexandria Radio Club
Amateur Radio Research and Development Corp.
Anne Arundel Radio Club
Antietam Radio Association, Inc.
Arlington Amateur Radio Club
Baltimore Amateur Radio Club
Baltimore Radio Amateur Television Society
Capital City Amateur Radio Society
Capitol Hill Amateur Radio Society
Chaverim of the Greater Washington Area, Inc.
Columbia Amateur Radio Association
Department of State Amateur Radio Club
Frederick Amateur Radio Club
Friendship Amateur Radio Club
Goddard Amateur Radio Club
Green Mountain Repeater Association
Johns Hopkins University APL Amateur Radio Club
Laurel Amateur Radio Club
MADRAS
Maryland Emergency Phone Net
Maryland FM Association
Maryland Mobileers Amateur Radio Club
Metropolitan Communications Network Radio Club
Metrovision Amateur TV Club
Montgomery Amateur Radio Club
Mount Vernon Amateur Radio Club
National Capital DX Association
Naval Research Laboratory Radio Club
Northern Virginia FM Association
Northern Virginia Radio Club
Ole Virginia Hams Amateur Radio Club
Pentagon Amateur Radio Club
Potomac Area VHF Society
Potomac Valley Radio Club
Prince George's Wireless Association, Inc.
Quarter Century Wireless Association, Inc.
 Baltimore Chapter #30
 Shenandoah Valley Chapter #137
 Vic Clark Chapter #91
 Washington Chapter #32
Radio Amateur Satellite Corporation
Rock Creek Amateur Radio Association
St. Mary's County Amateur Radio Association
Shenandoah Valley Amateur Radio Club
Southern Maryland Amateur Radio Club
Sterling Park Amateur Radio Club
Tri-County Amateur Radio Club
T-MARC, The Middle Atlantic FM & Repeater Council
Vienna Wireless Society
Washington Adventist Amateur Radio Association
Washington Area Young Ladies' Amateur Radio Club
Washington Radio Club
Woodbridge Wireless, Inc.

EDITORIAL

HOPE SPRINGS ETERNAL

Optimism prevails regarding elimination of proposed license fees for Amateurs. Thanks to the efforts of Senator Hollings (NC) there appears to be hope that Amateurs may be excluded from the Budget Reconciliation Act. Thanks, too, to those of you who contacted your Representatives and/or Senators in behalf of Amateur Radio.



After our comment in the November Auto-Call about being sure "you have your fact **straight**," it appears we owe an apology to the GMRS (General Mobile Radio Service). They **ARE** licensed by the FCC

and they **ARE** paying a license fee right now. They would **NOT** be excluded from the proposed budget bill.

We got a really nice letter from two hams who are members of the Washington Committee, Personal Radio Steering Group (PRSG), calling the error to our attention. And we do apologize. We try very hard to check all our information before we print anything in the Auto-Call, and we did contact a highly reliable source this time, but apparently something slipped in my translation. The letter says that, "Unfortunately, it (the piece of misinformation) is pervading much of the amateur converge of the license fee issue."

GMRS is a land mobile radio service available to persons for short-distance two-way communications for licensees and their immediate family members. For over 10 years the PRSG has been providing publications, services and leadership in the national GMRS community. We have asked KC5CW and KB4PGC, members of the PRSG Washington Committee, to prepare an article for future publication in Auto-Call, describing the GMRS organization and its function. We should all know more about it.

Ethel Smith, K4LMB
Auto-Call Editor

INDEX

COLUMNS

ARRL REPORT	9
FCC HIGHLIGHTS	7
PUBLIC SERVICE REPORT	13
TRAINING	21
VOLUNTEER EXAMINER COOP.	19
WANT ADS	49

SPECIAL FEATURES

Amateur Radio in the USSR	22
Coming Events	5
Congratulations	26
Ham-of-the-Month	29
Ham of the Month Nominations	30
Have Bug - Will Travel	27
Silent Keys	32
License Fees Update	4

CLUB REPORTS

Alexandria Radio Club	33
Anne Arundel Radio Club	38
Antietam Radio Association	47
Arlington Amateur Radio Club	35
Baltimore Radio Amateurs TV Soc.	41
Department of State ARC	34
Laurel Amateur Radio Club	39
Maryland Emergency Phone Net	38
Metropolitan Communications Net	36
Metrovision ATV Club	40
Mount Vernon Amateur Radio Club	43
National Capital DX Assn.	45
Pentagon Amateur Radio Club	37
Potomac Valley Radio Club	46
Prince Georges Wireless Assn.	42
Shenandoah Valley ARC	46

COMING EVENTS

Richmond Frostfest	Jan. 14	18
Vienna Winterfest	Feb. 25	31

ADVERTISERS

Amateur Radio Center	53
Collier Corporation	28
EEB	6
Ham Radio Outlet (EGE)	44
G & G	48
Maryland Radio	2
QTC	26
RF Connection	45
Virginia Micro	42
Serio & Company CPA	51
Stevens Chevrolet	50

Coming Events

1989

- Nov. 10 Launch of OSCAR MicroSats
Nov. 19 WACOM Hamfest, Washington, PA
Nov 25-26 Greater Greensboro Hamfest, National Guard Armory, Greensboro, NC

1990

- Jan. 14 Richmond Frostfest XIII, Virginia State Fairgrounds, Richmond, VA
Feb. 25 Vienna Winterfest
June 8-10 ARRL National Convention, Kansas City, Mo
Fall QCWA National Convention, Kansas City, Mo

*Please keep Auto-Call advised of important Coming Events.
We are anxious to provide our readers with timely information
and to help you avoid possible conflicts when scheduling activities.*

THANKS to all the Auto-Call contributors who made the special effort to meet the new 5th of the month deadline. It turned out to be a real life saver. A brief power line failure on the 9th "crashed" something in my computer/printer system and it took a couple of days to get back on line. If it hadn't have been for that wonderful computer genius, Ed Finn - WD4LC0, and that couple of days headstart on the copy for this issue, we could never have gone to the print shop on time! Thanks so much for your cooperation, it sure payed off!

Deadline for Auto-Call input will continue to be the 5th of the month preceding publication (i.e. deadline for copy for the January issue will be the 5th of December. If there is a good reason to be late, please call in advance so we can try to reserve space. We will work with you as much as we possibly can. Please try to work with us and observe the new deadline. Editor, K4LMB

EEB HAM RADIO STORE

Moving Again

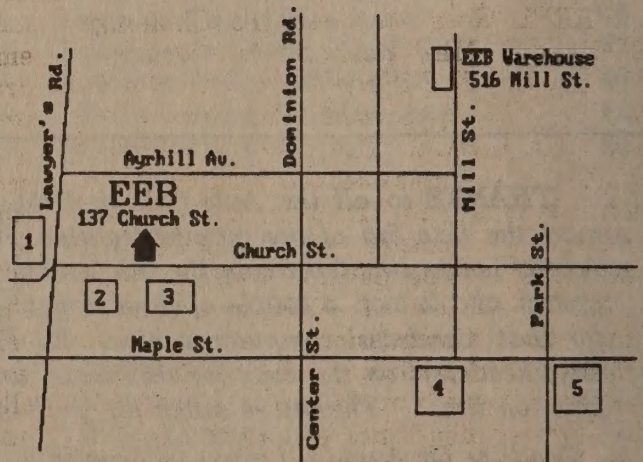
Another Grand Opening - February 26

Watch our ads for Details

- ☐ SUPER SIZE Ham Shack
- ☐ MORE and BIGGER Displays
- ☐ Plenty of FREE PARKING (with no potholes)
- ☐ FRESH COFFEE always free at EEB
- ☐ Wheel Chair Accessible

>>> help us celebrate our new store <<<

- ☐ Free Drawing for door prizes - no purchase required
- ☐ Specials on overstocked items
- ☐ Many round while moving items must go below cost



1. Post Office
2. FD Computers
3. Vienna Office Supply
4. Lowe's Lumber
5. Southern States

(703) 938-3381

FCC HIGHLIGHTS

by Bill Grenfell, W4GF

"Organized malicious interference to HF nets — and the apparent unwillingness of the FCC to solve the problem — was the single greatest handicap to Amateur Radio relief efforts following the devastating 6.9 magnitude earthquake that hit northern California on October 17," according to Frank Collins, N6TAF, who runs the Veterans Administration Hospital Amateur Radio station in Los Angeles. "The jamming definitely seems organized." Collins said that his people were unable to contact the Cerritos, California FCC office to request assistance ... The number is busy all of the time." (Westlink Report, 10/27/89).

"Amateur Radio Stands the Test from Hurricane Hugo"...." In their attempts to get news from the storm ravaged region, some radio and television stations have been mis-using the Amateur bands once again, just as they did during the Mexico City earthquake a few years ago."...."The question now appears to be not if this illegal activity can be stopped, but whether it should be authorized. "There is no easy answer to this..." (Westlink Report, 10/29/89).

"ARRL Goes To Court To Challenge FCC's 220 Mhz Reallocation Decision." The League filed it's petition with the U. S. Court of Appeals for the District of Columbia Circuit. "The petition requests the Court to set aside the FCC reallocation decision in Docket 87-14, and remand the matter to the FCC for rededication." "The petition contains only a brief overview of ARRL's argument that the Commission's action was arbitrary, capricious, and abuse of discretion, and not in accordance with the law; the substance will come later, in the League's statement of issues and pleading," (ARRL Letter, 10/10/89). (Westlink Report, 10/27/89.)

"...hams in Dallas, Texas report a strange commercial repeater ...on 220.08 MHz..." operating at the United Parcel Service terminal in Ft worth Texas. "A check with the FCC's office in

Gettysburg showed that no Special Temporary Authorization (STA) had been issued either to UPS or its subsidiary, II Morrow, Inc. for this type of operation. (Westlink Report, 10/27/89).

FCC and DRUGS: "the Commission intends promptly to take all appropriate steps, including initiation of license revocation proceedings, where information comes to our attention that FCC licensees or their principals have been convicted of drug trafficking." Action has been initiated against a broadcast station owner to show cause why his station license should not be revoked. (Westlink Report, 10/27/89; W5YI Report, 10/15/89).

In addition to the ARRL proposal reported in last month's HIGHLIGHTS, a request has been filed with FCC to create a new Code-free Digital Communicator license class to permit any Amateur holding a General Class or higher license permission to grant use of a subset of his call sign to as many as 26 other individuals under specified conditions. These include the limitation of digital-modes only in the 902-928 MHz band, use of specified FCC type-accepted equipment in standard spread-spectrum emission modes, and use of the AX.25 protocol; voice communication would be prohibited. A licensee permitting use of a call subset would be required to keep accurate records of all users of his call, educate the subset user with the limits of the authorization, and refuse any form of compensation for use of a subset Call. The petitioner, Don Stoner, W6TNS, asks: "Why not allow the computer hobbyist into the Amateur fraternity by allowing them to use a presently unoccupied Amateur band without any form of testing whatever? The public is already permitted to use the 902-928 MHz band without an FCC license. Why not also permit them access to this same band as a part of the Amateur Service? (W5YI Report, 10/15/89; Westlink Report, 10/27/89).

(Continued)

FCC HIGHLIGHTS - Continued

On October 13 a stripped down version (S. 1750) of the House of Representatives budget bill HR3299 was adopted by the Senate which included charging fees for Amateur licenses. Several Senators indicated they intended amendment which would exempt Amateurs from fees. Saying that the Commerce Committee had managed to exceed its instructions, Senator Danforth of Missouri said he would work with Senator Levin to drop the matter of Amateur fees from the legislation in the conference committee. Senator Levin of Michigan had made a strong statement on the floor on behalf of Amateurs. (ARRL Letters 10/10 & 10/24; Westlink 9/29, 10/13/89; W5YI 10/15/89)

The following is a quote of the beginning paragraphs of a letter written by FCC Special Services Division Chief, Robert McNamara: "This letter is being sent to you because you may be serving in an influential position with respect to third party telephony traffic, information bulletin or telegraphy practice communications transmitted on the Amateur service HF bands. You may possess, therefore, information and insight that could help bring about a resolution of the unfortunate continuing over-the-air dispute that takes place on the Amateur service 20 meter band. A similar letter also is being sent to other Amateur operators and organizations."

There follows 15 paragraphs ending with the following: "Please suggest a statement of practices that you believe should be followed by Amateur stations transmitting third party communications, information bulletins, and telegraphy practice. Comment on whether the Amateur service can voluntarily adopt your suggested practices, or should Section 97.101, General standards, be expanded. Please feel free to provide any other factual information that would assist in a more complete understanding of the issues involved in the dispute. an envelope is enclosed for your reply. Thank you for your cooperation." (W5YI Report, 11/1/89).

A petition for rulemaking has been filed with FCC by Eric Hogberg, W4TAH, which looks toward acknowledging the Amateur Auxiliary of the FCC Field Operations Bureau in the Part 97 Rules in much the same fashion that VE's and VEC's are recognized. After describing how he believes it could be accomplished he ends with "...if we are to conduct federal investigations for the FCC FOB, I feel that we must be protected under Part 97."

Gf

END-OF-MONTH LICENSE TOTALS

	AUG 1989	SEP 1989
EXTRA	49,275	49,545
ADVANCED	101,311	101,514
GENERAL	116,289	116,496
TECHNICIAN	111,708	112,631
NOVICE	84,589	84,614
	-----	-----
TOTALS	463,172	464,800

THE LATEST CALLS ISSUED FOR THE STATESIDE, ALASKA AND HAWAII CALL AREAS WERE: AS OF 1 OCT 1989

EXTRA	ADVANCED	GENERAL/ TECH.	NOVICE
NY1Y	KC1QM	N1GZF	KA1UMA
WT2I	KE2PK	N2JXX	KB2IPO
NW3P	KD3PD	N3HNQ	KA3VFA
AB4QX	KM4YQ	N4VZL	KC4MPI
AA5OF	KG5YR	N5PHT	KB5KRX
AA6QX	KK6AG	N6WKU	KC6FYH
AA7BX	KF7XB	N7NPO	KB7ISH
WV8T	KF8BQ	N8LIH	KB8IEF
WK9P	KE9SI	N9IXW	KB9DKQ
WX0B	KF0FO	N0LBX	KB0FGF
HAWAII	AH6JT*	NH6SW	WH6CDB
ALASKA	AL7LO*	NL7SS	WL7BVR

* EXTRA CLASS ALSO ASSIGNED
FROM THIS GROUP

American Radio Relay League Report

By John Swafford - W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER and other reports. The LETTER provides timely news of interest to active Radio Amateurs. Any League member may subscribe to the ARRL LETTER.

=====

SENATE ADOPTS BILL WITH AMATEUR LICENSE FEES, BUT THE BATTLE'S NOT OVER. On Friday, October 13, S. 1750, a stripped down version of the House of Representatives Omnibus Budget Reconciliation Act of 1989 (H.R. 3299) was adopted by the Senate by a vote of 87 to 7. Senate leadership on both sides of the aisle blocked the introduction of any amendments to their version of the budget reconciliation bill. As it stands, S. 1750 includes fees for Amateur Radio licenses.

Now the good news. Senator Carl Levin of Michigan made a strong statement on the floor on behalf of Amateurs. He said he had intended to introduce an amendment exempting Amateur licenses from fees with Senators Symms of Idaho and Lieberman and Dodd of Connecticut, but that in view of the resistance to any amendments, he would not do so. The amendment he would have introduced would strike what he called "a new tax on Amateur Radio operators." Senator Levin said he did not believe the framers of the bill had intended to levy a new tax on Amateur Radio volunteers, and had confirmed this with Senator Hollings of South Carolina, Chairman of the Commerce Committee.

Senator Danforth of Missouri, the ranking minority member of the Commerce Committee agree, and said that the Committee had managed to exceed its instructions on budget reconciliation and would work with Senator Levin to drop the matter of Amateur fees from the legislation in the conference committee.

AMATEURS KEEP COMMUNICATIONS FLOWING AFTER SAN FRANCISCO EARTHQUAKE DEVASTATION. An earthquake measuring 6.9 on the Richter scale and several aftershocks during the following days caused widespread damage in the San Francisco Bay area. ARRL Pacific Division Section Managers Bob Vallio, W6RGG, Richard Wilson, K6LRN, Glenn Thomas, WB6W, and other ARRL officials in the affected areas report that local emergency nets on the 2-meter and 220-MHz bands are in full swing. The nets are providing on-site emergency communications via Amateur repeaters to public officials and representatives of The American Red Cross. The extensive packet network on 2 meters and 220 MHz in the San Francisco area has been dedicated to handling the heavy volume of health and welfare traffic.

Amateurs monitoring HF emergency net frequencies are advised not to transmit except in response to a request for assistance. Priority must be given to immediate emergency relief communications.

National Traffic System officials advise that welfare inquiry traffic may be routed via normal NTS paths. Priority in health and welfare traffic is being given to messages originating from the affected area. Amateurs should advise the public to try normal telephone service first before initiating an inquiry via Amateur Radio. Messages should contain complete address and phone number.

PRB-1 HELPS IN COSTA MESA ORDINANCE. Attention Costa Mesa Amateurs: The City of Costa Mesa, California recently adopted an ordinance setting forth procedures and regulations for Amateur Radio antennas. The ordinance was developed with input from a number of hams including ARRL Director Fried Heyn, WA6WZO, Vice

ARRL REPORT - Continued

Director Wayne Overbeck, N6NB, and Assistant Director Art Goddard, W6XD.

The new Costa Mesa ordinance recognizes the fact that PRB-1 preempts state and local zoning regulations which seek to preclude Amateur Radio communications. It did note that regulations based on health, safety or aesthetics must represent a reasonable accommodation for Amateur Radio communications and must constitute the minimum practicable regulation necessary to carry out the local agency's legitimate purpose.

All antennas and towers erected in the City of Costa Mesa prior to September 6, 1989, have until May 7, 1990, to be registered so that they will be grandfathered. Antennas erected after September 6, 1989, fall into three categories" (1) Roof mounted antennas require no permit at all; (2) Antennas and towers under 30 feet require a permit, but there is no limit on the number of antennas; (3) antennas and towers over 30 feet require a permit and can be no higher than 75 feet with a maximum of two towers. There is no limit on the number of antennas under 30 feet.

The Amateurs involved in getting the ordinance rewritten learned several things: Use PRB-1 -- it's an excellent tool, be prepared, know your facts and most of all, be observant.

DUTCH HAMS CELEBRATE 60 YEARS OF AMATEUR RADIO. In August 1929, the first Amateur Radio license was issued in The Netherlands. To honor this event the Dutch Amateur Radio organization VERON received permission from the Dutch PTT to use special call-sign prefixes for 60 days beginning October 1 and ending November 29. The special prefixes include the number 6 in front of the usual radio district number. (For example, PA0 becomes PA60).

To stimulate contact with the Netherlands during this period, VERON is issuing a special certificate. U.S. Amateurs can qualify to receive the

certificate by working 15 Dutch Amateurs stations using the special prefix. QSL cards or an extract from your log signed by two other Amateurs is sufficient to obtain the certificate. Send to J. Lourens. PA0BN, Keerweer 13, NL-6862, CD Oosterbeek, The Netherlands. The deadline is March 31, 1990.

NEW CANADIAN CALL PREFIX: VY2. Effective October 30, new Amateurs on Prince Edward Island will be issued call signs with the prefix VY2. Present Amateurs on Prince Edward Island will have the option of retaining their VE1 call signs or, upon request to a DOC District Office, substitute VY2 for the VE1 prefix. New Brunswick and Nova Scotia will remain VE1.

8J6JBS OPERATIONS ANTICIPATE LAUNCH OF JAS-1B. The second Japanese Amateur satellite, JAS-1B, is scheduled for launch in February 1990. To commemorate the occasion, the Japan Amateur Radio League (JARL) opened a special station on September 28. The station is located in the Welfare Center of Minami Tane-machi, Nakajinai Miami Tanemachi, Kumagte-gun, Kagoshima Prefecture.

Look for 8J6JBS on all HF frequencies at these times:

1400-2000 UTC on weekdays

1400-2200 UTC on Saturday

1000-2200 UTC on Sunday and holidays

8J6JBS will continue operation through the month of February 1990.

JAPAN'S HAM FAIR '89. The New Hall of the International Trade Center in Harumi, Tokyo was the site of HAM FAIR from August 25-27. HAM FAIR is recognized as one of the largest Amateur Radio events in the world.

Over the three-day period, the total number of attendees reached approximately 58,000, including 90 people from 14 other countries. Noted guests this year included Dick Baldwin, W1RU, President of IARU, Cheng Ping, BZ1CP,

ARRL REPORT - Continued

Vice President of CRSA of China, and Wan Xun, BZ1WX, Vice President and Secretary General of CRSA.

MACC TAKES ON ADDITIONAL COORDINATION RESPONSIBILITIES.

The Mid America Coordination Council, Inc. (MACC) announced that it has accepted the petition of the coordinator for the State of Arkansas as the eleventh state to join its organization.

Other MACC member states include Colorado, Illinois, Iowa, Kansas, Minnesota, Missouri, Nebraska, Oklahoma, South Dakota and Wisconsin. MACC claims it is the largest regional organization in Amateur Radio repeater coordination.

GUEST INTERVIEWS FEATURED ON AMSAT NETS. AMSAT Operations Net Manager Courtney Duncan, N5BF, says that this month, the Operations Net has begun to feature guests from the Amateur satellite community.

AMSAT-NA sponsors weekly nets to provide the latest news of the Amateur space program. Nets meet Tuesday evenings on 3.840 MHz. The East Coast Net begins at 2100 Eastern time. On Sunday, AMSAT-NA nets convene at 1900 UTC on 14.282 and 21.280 MHz. A 17-meter net convenes Sundays at 2300 UTC on 18.155 MHz.

WORLD RADIO OFFERED ON CASSETTE. Transcriptions of Worldradio are available monthly for the blind and physically disabled on cassette tape. A \$3 per year contribution to cover costs is requested.

For more information, contact Tom Carten, K1PZU, Box 1602-A King's College, WilkesBarre, PA 18711.

HANDI-HAM VIDEO AVAILABLE. A new videotape of the Courage HANDI-HAM System is available. The 24-minute VHS format tape details the history, philosophy and services of the Courage HANDI-HAM System.

The video, "Making Contacts---Making Friends, the Courage HANDI-HAM Story," is available to any club or organization wishing to show it by writing Sr. Alverna O'Laughlin at HANDI-HAM Headquarters. In your letter, state the date(s) you want to show the video, the approximate number in the audience, and the name of the group or organization to whom it will be shown. Allow eight weeks lead time for delivery of the tape.

Copies of the videotape can be purchased for \$15 by contacting the Courage HANDI-HAM System HQ, 3915 Golden Valley Rd, Golden Valley, MN 55422.

U.S. ENTERS INTO THIRD-PARTY TRAFFIC AGREEMENT WITH THE FEDERATED STATES OF MICRONESIA. On October 12, the US and the Federated States of Micronesia (V63) entered into an Amateur Radio third-party traffic agreement. This agreement allows radio Amateurs in both countries to relay personal messages on behalf of non-Amateurs. The agreement also says that if public telecommunications services are not readily available in the event of disaster, communications relating directly to the safety of life or property may be handled by Amateur stations in the two countries. Commercial messages or conversations are strictly prohibited under the agreement.

UOSAT-OSCAR-9 QRT. UOSAT-OSCAR-9 became a Silent Key on Friday, October 13, falling out of orbit after eight years, one week and over 45,000 revolutions around the earth. UOSAT-9 was last heard by ZS6CCD at around 1200 UTC.

UOSAT-9 was launched from Vandenberg Air Force Base on October 6, 1981. During its eight years in orbit, many school children, hams, and space enthusiasts heard its "DIGITALKER" experiment and listened to its telemetry data.

(Continued)

AMSAT-NA SPACE SYMPOSIUM JUST AROUND THE CORNER. This is a reminder that the 1989 AMSAT Space Symposium and Annual Meeting will be held in Des Moines, Iowa on November 3-6, 1989.

To register use the registration form on the last page of the Amateur Satellite Report #190. Photocopies are acceptable. Mail the completed form to Ralph Wallio, WØRPK, 1250 Highway G24, Indianola, IA 50125. If you don't have ASR #190, contact Ralph directly by telephone in the evenings at 515-961-6406. There is little time left to register, so don't delay.

ARRL RECEIVES FEMA DEVELOPMENT GRANT. On October 3, the American Radio Relay League (ARRL) received a \$10,000 grant from the Federal Emergency Management Agency (FEMA) for high-frequency packet radio modem and protocol development over the next two years. The ARRL will use the grant to fund out-of-pocket costs (excluding labor or overhead) for volunteer participants in the development program.

Approximately 100,000 packet radio units have been built by, or sold to, Amateur Radio operators throughout the world. Government agencies and commercial companies use low-cost packet radio equipment and protocols developed by radio amateurs. FEMA has a special interest in effective communications between FEMA representatives and Amateur Radio Operators at the onset of natural disasters. Existing packet radio hardware and software operate effectively at very high frequencies (above 30 megahertz). At high frequencies (3 to 30 megahertz), however, reception of packets is often poor because of fading and interference. The purpose of the FEMA grant is to encourage development of techniques to improve the reliability of high-frequency packet radio reception.

The ARRL has identified several areas for research to improve reliability and reduce retransmissions: modems,

protocols, diversity reception and network management techniques. Designers or design teams wishing to participate in this program are invited to contact Lori Weinberg, ARRL, 225 Main St, Newington, CT 06111, Tel 203-666-1541.

THE AMATEURS' CODE. The code, written by League Counsel Paul Segal, W9EEA, in 1928 was updated by the Board of Directors at its July 1989 meeting. While U.S. Amateurs must abide by the rules and regulations of Part 97, most also subscribe to the standards set out in the time-tested "Amateur's Code."

Here is the revised version of the Amateurs' Code:

The Radio Amateur is:

CONSIDERATE...never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL...offers loyalty, encouragement and support to other Amateurs, local clubs, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE...with knowledge abreast of science; a well-built and efficient station and operation above reproach.

FRIENDLY...slow and patient operating when requested; friendly advice and counsel to the beginner; kindly assistance, cooperation and consideration for interests of others. These are the hallmarks of the Amateur spirit.

BALANCED...radio is an avocation, never interfering with duties owed to family, job, school, or community.

PATRIOTIC...station and skill always ready for service to country and community.



PUBLIC SERVICE REPORT

Hank Black - N3ESR

Material for the PUBLIC SERVICE REPORT can be left on the N4QQ PBBS (145.03,.05 or via DCA3) addressed to N3ESR, called over the telephone by modem on arrangement or mailed to Public Service Report, 105 North Van Buren St., Rockville, Maryland 20850-1860. Deadline for receipt of material is the fifth of the month.

HAM RADIO AT INTERNATIONAL CHILDREN'S FESTIVAL

The International Children's Festival is an annual event sponsored by the Fairfax County Council of the Arts providing international entertainment for children of all ages. The event takes place at Wolf Trap Farm Park each year on Labor Day weekend and the event requires approximately 20-25 operators each day of the three-day weekend. This year the Festival started off being short five operators due to the Fairfax Hospital Telephone system outage which took place at 3 a.m. on the morning of the first day.

I arrived at Wolf Trap at approximately 8 a.m. to begin setting up Net Control only to find that I had sent all of my setup crew to the hospital outage. I was sure glad to see some of the other operators arrive to assist in the setup, for a while I thought that I was going to be there alone. Talking to yourself on the radio for the full day didn't really excite me and it wouldn't have helped the festival at all.

I had planned to have a picture taking session for ARES and Red Cross ID cards. If it had not been for my wife Judy setting up and running the picture taking sessions, the picture ID cards would not have become a reality. Also, Judy provided lunches for the entire weekend from our motor home parked in the lot behind Filine Center.

Thanks go to Judy, Karen, KA4NVW's wife, and W4PVA's wife for

assisting in the operation.

Net control was set up and operators were assigned to their posts by approximately 10 a.m., about 30 minutes later than scheduled. Most of the posts were covered with only a few vacancies until the remainder of the operators were released from the hospital emergency.

The event went quite smoothly with only routine traffic with five or six lost-children reports each day. We tried a new antenna system this year, a Diamond Dual Band 2 meter & 440 MHz antenna on a ten foot mast which was much easier to set up than the multiple antenna system on 20 & 30 foot masts used in past years. It seemed to give excellent coverage on both bands over the entire park.

I would like to thank the following operators for their assistance in providing communications for the event: KA4REI, WD4SMD, N4QGR, KC4LUV, K2SJM, N4THR, KB4NRU, N3HFC, W4MQY, KK4GB, KB4ZJ, N4PDY, N4VJT, KA4YMA, N3CLE, KA0GDI, WB4EEA, KC4EFJ, N4URL, N4FSC, N4JGQ, N4PWM, KA3TSC, N4ECI, N4NTS, N4QPB, KC4GCQ, KC4IGS, N4CWP, W4PVA, N4JVL, KA3TSL, KA4GFY, N4VTM, KA4NVW, AC4I, N4ASX, N4SFG, K4OKZ, WA3RGH, N4HCP.

-Submitted by Bob Lewis, N4SCK

Public Service Report - Continued

AMATEURS ASSIST DURING TELEPHONE OUTAGE

On September 2, 1989 at 3:12 a.m. Fairfax Hospital notified Joe Peters, WB4WZZ, that their telephone system was inoperative. Joe immediately notified me [N4SCK] of the problem and I set off the ARES Emergency Coordinators' pagers and set up a net operation on the NVFMA 146.91 repeater to inform the E.C.'s of the problem.

Several E.C.'s checked in and volunteered to call people. Ken, N3AQG, E.C. for the District of Columbia, checked in and offered to take over the net while I made phone calls to get personnel enroute. This was going to be an interesting task because this was the first day of the Children's Festival at Wolf Trap Park for which we had 20 some operators scheduled. I did not want to completely strip that operation of radio operators.

At 3:45 a.m. WB4WZZ arrived at the hospital and established the cafetorium as the meeting place for the other operators. At 4:10 a.m. KA4NVW arrived on site and set up the base station operation on both 2 meters and 440 MHz in the telephone office. The frequencies used for the operation were 146.91 repeater and simplex, 446.00 simplex and 444.45 repeater. As operators arrived on site they were assigned to various major areas of the hospital like the E.R., Lab, Pharmacy, Nurses Stations on each floor, I.C.U., C.C.U. and the Pediatrics C.U.

Communications were a little difficult due to the building structure blocking RF signals. Most calls were worked using the 146.91 repeater but it was determined that it would be advantageous to have as many operators on 444.45 MHz. as possible as the repeater was on the roof of the hospital.

At approximately 5 a.m. I called Andy Crow, KB4RXT, and filled him in on where we were on the phone list and requested that, if any additional

operators were needed, he make the necessary phone calls. I was getting ready to go to the Children's Festival.

Communications ran relatively smooth with the group handling approximately 150-200 pieces of traffic. The autopatch on 146.91 repeater was used several times to make necessary calls to doctors and staff, as well as to bring in relief operators. The hospital provided both breakfast and lunch for those who desired it.

Most telephone functions were restored and we were released by the hospital staff at about 11:20 a.m. The telephone staff determined that the problem was in the phone system software and the manufacturer needed to be called. Quite a few of the operators had to go to the Children's Festival operation.

I would like to thank the NVFMA and the sponsor of the 444.45 repeater for the use of their repeaters and the following Amateurs for their assistance in the emergency:

KF4LM, N4HCP, KM4VM, AB4JX, WB4EEA, N4CWP, N4EFJ, W4CMW, WD4EKS, KA4REI, KB4NRU, KA8PUU, KB4ZJ, W3HFX, N4JGO, N4PWM, K2SJM, KA4NVW, WB4WZZ, N3AQG, KB4RXT, N4SCK, N9EBJ, WA3HNN, KA4BGT, N4EMI, and N3EQL.

-Submitted by Bob Lewis, N4SCK



Montgomery RACES/ARES Van
At Command Operations Center

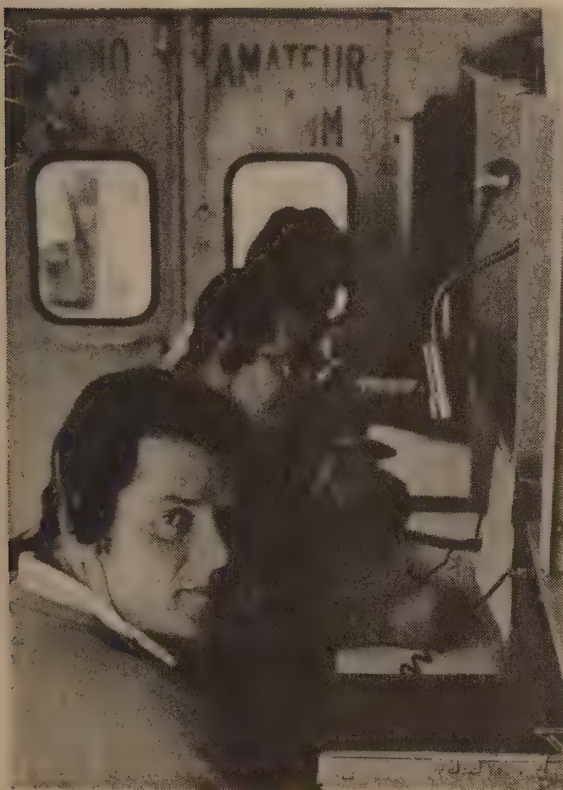
Public Service Report - Continued

PUBLIC SERVICE HAMS HELP A FEW MARINES

"Ambulance 3, this is COC. We have a runner down just North of Water Point 4 with a laceration to the lower leg and a possible broken femur. Respond immediately."

"Roger, COC. Ambulance 3 responding. N9IWA."

For most of Sunday, the 5th of November, a continuous stream of similarly serious (and sometimes funny) transmissions emanated from the net control stations at the Command Operations Center (COC) for the Annual Marine Corps Marathon.

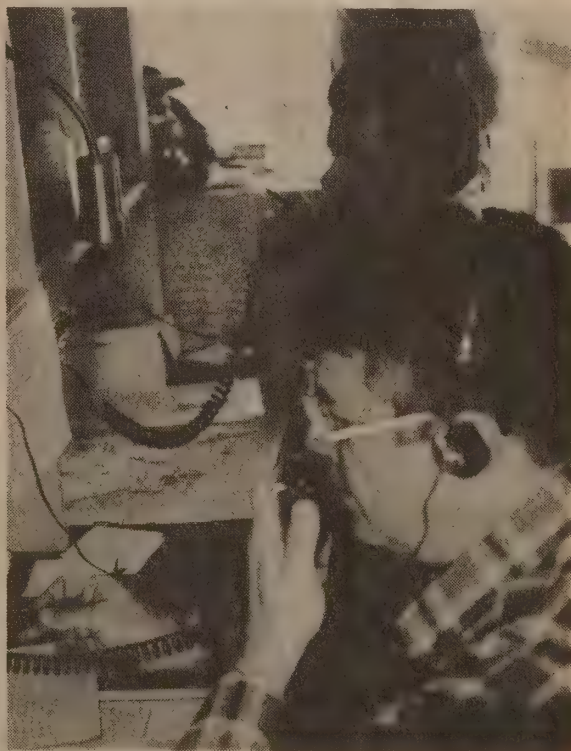


Net Control Operators
Logging Traffic for Marathon

The Ambulance Net was staffed by Alan, WD4HLF, the Aid Station Net by Hank, N3ESR, and the Red Cross Net (on 47.62 MHz) by Ivan, KA4NVW. Assisting with the administration of the nets were Dick, NH6E and Joe, WB4WZZ.

With some 25 ambulances, nine aid stations, 14 water points and nearly 13,000 runners, forty Amateur Radio operators were kept busy assisting medical personnel along the 26 mile course. Most injuries were minor - dehydration, sprains, mild hypothermia, and the pain of runners with more enthusiasm than stamina - but several required emergency runs to area hospitals. All this activity was coordinated over several Amateur nets and one Red Cross net controlled from the Montgomery County ARES/RACES communications van at COC. Some forty hams from Maryland, Northern Virginia and the District of Columbia maintained radio points through out the 26.2 mile marathon course.

Stationed at the water points, aid stations, and in ambulances, the hams made it possible for medical care to be at the scene of any injury in minutes.



Ambulance Net Control Operators
At Aid Station, Marine Corps Marathon

Public Service Report - Continued

But it wasn't just runners who were assisted by the hams: at least two elderly bystanders - possibly spectators - collapsed along the route and were assisted by hams who coordinated with DC police and ambulance services.

Since this was a military sponsored activity, several hams got to ride field ambulances, those ungainly machines that look more like over-sized dune buggies than medical vehicles and which drew stares wherever they went. And not just a few of the ambulance crews - most of whom were unfamiliar with the DC area - found themselves hopelessly lost on DC streets and had to rely on the ham and his radio to find their way around.

Every license class was represented - from Carla Nicholson who is awaiting the arrival of her Novice ticket (and functioned as a runner for the net control stations), to thirteen year old twin hams N9IVZ and N9IWA (licensed barely two months), to the usual collection of crusty Extras.

The Pentagon ARC station, K4AF, served as an administrative link, the Voice of America ARC offered its services, and the Tri-County Repeater Club and Department of State ARC graciously cooperated by allowing us the undisturbed use of the 147.18 and 145.19 machines.

By the end of the race, over 200 casualties had been attended to,

countless batteries had been drained, and the public had seen Amateur Radio at its best, serving the public. The high point, of course, was the visit by General Gray, Commandant of the Marine Corps, who expressed his appreciation for the essential contribution made by the Amateur community.

One ham in particular should be recognized. That was Walt Peterson, WB0QBL, who spent months putting it all together and who was principally responsible for its success. Every participating ham will shortly receive a certificate of appreciation, but the best part of the whole experience was that we all had a great time doing what we most enjoy.

Those participating were:

N4JEE, N4SCK, N4QOS, W4FQT,
WA4LTO, N4ESX, KC9I, N4HAM,
N4BYF, WA4SQL, N6ANQ, N4GHI,
KA4YMA, N4FHK, N4ASX, KA4GFY,
N9IVZ, KE4ER, N4NTS, N3EQL,
N4GDF, N3CLE, W4KSA, N3HFC,
W2AAW, N4TCL, N4CWP, N9INA,
W3ETX, N3DNQ, N4THR, W3GY,
KE4TZ, KK4GB, K9MX, N3EKB,
KB2CEV, KB4ZOD, WB3KKO, N4MWU,
WD4HLF, NH6E, N3ESR, WB4WZZ,
KA3BKU, KB4NRU, N4QBI, KA8PUU,
KC4EFJ, N4URL, N4ECI, WA4HNV,
WB0QBL, N4VEC, and NW3S. [Sorry for any omissions or errors.

Hank -N3ESR]

-Submitted by Spike, K9MX-

HAMS HELP YOUTH FOR TOMORROW

On Saturday, October 21st, from 10 a.m. until dark, the Youth For Tomorrow (YFT) Boys' Home in Manassas, Virginia held their annual fall "Country Fair". YFT is a rehabilitation center that was established by Coach Joe Gibbs and members of the Washington Redskins for boys and young men, ages 14 to 18.

Activities for the day included games, pony rides and other activities for children, hayrides, a wide variety of

musical entertainment from local talent, and "corporate challenge" team sports for the adults. Tours of the facilities were also conducted.

Since Harry Vorhauer, W4PVA, and most of the Manassas hams were busy with a drill at Prince William Hospital on the same day, we were contacted by the YFT staff and event planners to assist with radio communications in the interest of public safety.

Public Service Report - Continued

Seven hams arrived on site at 10105 Linton Hall Road between 9 and 9:30 a.m., with two arriving later on as relief operators. Operating on 146.46 MHz and 445.00 MHz, the hams coordinated communications with an E.M.T. team from the Prince William Rescue Squad which treated a few cases of minor cuts and abrasions and a couple of bee stings. The radio operators assisted in locating several lost children and helped minimize parking and traffic congestion by directing shuttle busses between the property and the parking areas.

Communicators informed the stage crew and YFT staff when performers and personalities arrived.

Those who participated were: Steve Tedesco KB2CEV, Clay Randall N4ECI, Mark Swartz N3HIG, Frank Hartnett KA8PUU, Andy Crow KB4RXT, Bob Lewis N4SCK, Brian Turner K2SJM, and Joe Peters WB4WZZ. Many thanks for a job well done, especially on such short notice!! I am very sure that your labors were greatly appreciated by the staff and residents of YFT, as well as those in attendance.

-Submitted by Ivan Pencoff, KA4NVW

MONTGOMERY RACES OFFICER RESIGNS

Montgomery County RACES Radio Officer Hank Black, N3ESR, submitted his resignation to the County, effective midnight, October 31st.

Hank's action allows him to move up and accept the position of Communications Officer, Maryland Emergency Management Agency. Charlie Newton, WA3HNN, has accepted to act as interim Radio Officer until a successor can be nominated and appointed.

Hank has indicated that he will continue on as a RACES/ARES member and will help out in the County when his other duties don't require his presence.

Some of Hank's primary responsibilities as a member of MEMA's senior staff include the administration, operation and maintenance of the State Emergency Management Warning and Communications System.



RICHMOND FROSTFEST XIII

Winter Amateur Radio and Computer Show

SUNDAY, JANUARY 14, 1990

Virginia State Fairgrounds, Laburnum Avenue, Richmond, Virginia

Hours: 8:30 A.M.-3:30 P.M.

An ARRL Approved Event

Presented By The Richmond Amateur Telecommunications Society

*** ACRES OF FREE PARKING * LICENSE EXAMS * TALK-IN ON 146.88 & 145.43 ***

GENERAL ADMISSION TICKETS: \$5.00

GENERAL TABLE SPACES (8' Table included): \$10.00

COMMERCIAL SPACES (8' Table): \$20.00 First Space, \$15.00 Each Additional

GENERAL INFORMATION

DEADLINE FOR ALL RESERVED SPACES AND ADVANCE TICKET SALES IS DECEMBER 29, 1989. No space reservations or advance tickets after that date. Any unsold spaces will be available on the day of the show. All monies for advance tickets and reserved spaces must be received no later than January 5, 1990.

AMATEUR RADIO EXAMS GIVEN AT 10:30 AM. Pre-registration recommended. Limited Walk-Ins. Contact Al Bailey at (804)233-6461 or Phil Giella at (804)561-3020.

60,000 sq. ft. building with electrical outlets available. Well lighted and heated. Drive-in available Saturday for unloading and loading. Drive-in Sunday morning can not be guaranteed due to large crowds. Entire show inside. No outside facilities available.

Exhibitor, hourly, and major door prizes. Hourly door prize drawings begin at 10 A.M. Major prizes drawn at 3:30 P.M. You do not have to be present to win the exhibitor or major prize drawings.

Building available for set-up from 2:00 P.M. until 10:00 P.M. on Saturday the 13th. Will re-open at 6:00 A.M. Sunday for set-up. Armed security at all times.

RV overnight parking with electrical hook-up available Saturday night for a \$15.00 fee. No sewer hook-ups are available. Fee must be paid in advance to Richmond Frostfest. Free overnight parking without hook-up.

Talk-in provided Sunday morning on the 146.88 and 145.43 repeaters.

TICKETS AND RESERVATIONS:
Mark Huff, WA4DHY
(804)747-0227 Evenings
7 P.M. - 10 P.M. Sun. - Thurs.

OTHER INFORMATION:
Bill Mason, AB3P
Frostfest Chairman
(804)745-5822 Evenings

REGISTRATION FORM

NAME _____ TELEPHONE _____

BUSINESS NAME or AMATEUR CALL SIGN _____

ADDRESS _____ CITY _____ STATE _____ ZIP _____

_____ ADVANCE TICKETS @ \$5.00 EACH.....\$ _____

_____ GENERAL TABLES (8') @ \$10.00 EACH.....\$ _____
(Non-Commercial Exhibitors must also purchase General Admission Tickets)

_____ COMMERCIAL TABLE SPACES (8') @ \$20.00 FIRST TABLE,
\$15.00 EACH ADDITIONAL TABLE.....\$ _____

_____ RV OVERNIGHT PARKING FEE @ \$15.00.....\$ _____
(RV Overnight fee needs to be paid only if you need RV electrical hook-up)

ENCLOSE SELF-ADDRESSED STAMPED ENVELOPE FOR TICKETS AND REGISTRATION RETURN

TOTAL: \$ _____

FOUNDATION FOR AMATEUR RADIO
Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS
1989

IMPORTANT NOTE: If you now have a Technician class license which was acquired prior to March 21, 1987, have a copy of it available when you decide to upgrade.

Dec. 2 Virginia Beach ARC (Virginia Beach, VA) (ARRL VEC)
Contact: Tom Weikel, KA4UNC (804) 340-7697

University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld, N3FI (301) 963-4008

John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

Dec. 9 Montgomery College (Germantown, MD). **Preregistration desired**
Walk-in Registration 9:00 - 9:45 a.m. Late arrivals served on
supplies available basis, first-come-first-served.
Contact John Muller, W3QF (301) 564-0178 or
Boyd Nelson, KZ3Z 434-0924

1990

Jan. 6 GWU/Department of State ARC (Washington, DC) (ARRL VEC) Walk-in
Contact: Derrill Rohlf, W3WOX (301) 423-0179

University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008

John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
Contact: Albert Bailey, N4RPI (804) 233-6461 or
Phil Giella, KC4DSF (804) 561-3020

Jan. 13 Anne Arundel Radio Club (LARC VEC) **Pre-registration requested**
Contact: Nancy or Dean Alley, NT3Z/NS3V (301) 761-7115

Volunteer Examiner Cooperative - Continued

- Jan. 26 Pentagon ARC (Stafford, VA) (W5WI VEC) Walk-in
Contact: Dave Boyd, K9MX (703) 659-6241
- Jan. 28 Antietam Radio Assn Amateur Club (Hagerstown, MD) (ARRL VEC)
Contact: Ken Picone, KC3TT (301) 824-3519
- Feb. 3 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008
- John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
 Contact: Albert Bailey, N4RPI (804) 233-6461 or
 Phil Giella, KC4DSF (804) 561-3020
- Feb. 24 Vienna Wireless Society (Vienna, VA) (ARRL VEC) Walk-in
 The day before WINTERFEST
 Contact Nancy Draheim, NK4U (703) 691-0078
- Mar. 3 University of Maryland ARC (College Park MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld N3FI (301) 963-4008
- John Tyler Community College (Richmond, VA) (W5YI VEC) Walk-in
 Contact: Albert Bailey, N4RPI (804) 233-6461 or
 Phil Giella, KC4DSF (804) 561-3020
- Mar. 30 Pentagon ARC (Stafford, VA) (W5YI VEC) Walk-in
Contact: Dave Boyd, K9MX (703) 659-6241

While most examinations are offered on a walk-in basis,
pre-registration is desirable in all cases.

Certificates of successful completion for theory tests
are not always accepted. Check with the contact person
for the examination you wish to take.

If you are upgrading from Technician class license acquired prior to March 21, 1987
a copy of your license may be required as proof that you are grandfathered
for Element 3B (General theory)

NOTE: All examinations require that you submit:
Copy of your current Amateur Radio license (bring original)
Completed FCC Form 610.

Check for appropriate examination fee.*

Maximum fee has been raised to \$4.75.

Fees of individual VEC may vary.

ARRL Exam fee is \$4.75

W5YI Exam fee is \$4.75

Laurel Exams are still free.

Mountain VEC Novice Exams free

All other Mountain VEC Exams \$2.00

This schedule of examinations appears each month in Auto-Call Magazine
Sponsored by the Foundation for Amateur Radio
Please advise NK4U of your examination schedules.

Training Classes

Robert Armstrong, WA4SQL

44 South French Street, Alexandria, VA 22304

GENERAL INFORMATION

Alexandria Radio Club	Contact Harry Jones - N4CWP (703) 521-4624
Anne Arundel	Contact Tony Young - WA3YLO (301) 262-1917
Antietam Radio Assn.	Contact Ken Picone - KC3TT (301) 824-3519 after 5:00 p.m.
Baltimore ARC	Contact Ralph Huber - KA3HAM (301) 321-5748
Baltimore Radio Amateurs	TV Society (BRATS) - Contact Bill Self (301) 669-0149
Chaverim, Inc.	Contact Bob Teitel - W3IDT (301) 654-3484
Frederick ARC	Contact Steve Bauman - W3FOA (301) 662-4552
Laurel ARC	Contact Frank Treadwell - K3LDE (301) 498-2213
MADRAS	Contact Renee Culver - KC3NG (301) 949-9220
Montgomery County Department of Recreation	Phone (301) 468-4050
Mount Vernon ARC	Contact John Forrest - WZ4A (703) 971-3905
NASA/Goddard ARC	Contact Vikki Gigante -KA3PVS (301) 249-2609
Pentagon ARC	Contact David Boyd - K9MX (202) 697-0630
Rock Creek ARA	Contact Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC	Contact Walt Quitter - NC4B (703) 869-5241
Southern Maryland ARC	Contact Vic Curtis - WA3YUV (301) 888-1388
Sterling Park	Contact Art Nevins - WA4NTP (703) 437-9382
Tri County ARC	Contact Al Sines - WA3QGA, Box 710, College Park 20740
Vienna Wireless	Contact Paul Wilkins - AB4CY (703) 560-2779
Washington Adventists	Contact Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless	Ed Bayne - N4LJZ (703) 494-3508

Please keep the Training Chairman advised of any changes in the names and telephone numbers of the contacts for club training programs.

Local clubs are urged to list their training programs with the Auto-Call far enough in advance for effective publicity

SRAM -- 012

(Soviet Radio Amateur Movement)

Dexter Anderson, W4KM

*[Rough, summary translations from "RADIO" magazine of July 1989.
Translator's remarks are enclosed within square brackets.]*

"OUR DEBTS"

(in the "On the Fourth Floor" discussion series)
(recorded by Yelena Vlovolodovna Turubara)

*[Translator's comment: With "glasnost" has come a new
acceptance of the need for charitable activity in the USSR.]*

[Introduction]

These days the media hardly stop speaking of charity. As if awakening from years of hibernation, we've discovered that even in peacetime many orphans, destitute and neglected old people, and solitary handicapped people live in our midst. Charitable funds and societies of all kinds are growing like mushrooms.

Life for a *healthy* radio amateur is difficult enough, but how about life for a handicapped amateur? How can a blind or paralyzed amateur crawl up on the roof to install his antenna? And where can he, pardon the expression, steal parts? The "black" market is also not for him. And what should he use for money? Pensions for the handicapped are R. 50.00 to R. 60.00 [per month], rarely R. 100.00 to R. 120.00, and the cheapest transceiver costs several hundred rubles. And yet for many handicapped people, amateur radio is practically the only way to stay in touch with the outside world! It is our sacred duty to help them in concrete ways. Such was the purpose of this meeting.

[Article proper]

Kazanskiy [Nikolay Valentinovich Kazanskiy, UA3AF, Deputy Chairman, Federation of Radio Sport of the USSR]: A preliminary count shows there are over 200 handicapped amateurs. At the suggestion of one of them, a Committee of Handicapped Radio Amateurs attached to the Federation of Radio Sport was established. Yuriy Georgiyevich Alfer'yev, UB5WJ, from L'vov, was elected Chairman. Soon the idea was born of setting up a radio club for the handicapped.

Melikhov [Vitaliy Antonovich Melikhov, Chief of the radio club for handicapped hams]: I lost my sight about 20 years ago. My good friend Volodya [nickname for Vladimir?] Glukhov, who's here at this meeting, once invited me to a collective radio station and I was given a second life.

But getting started was difficult. What could I do by myself? Nothing! And then Volodya took me under his wing. Equipment, antenna, no remuneration. He would come at the first call.

Can people with pensions of 40, 70, 90 rubles acquire expensive equipment? Of course not. I was lucky. When I told my wife I needed a transceiver, she took all our savings out of our passbook and bought equipment. But not everyone can afford that. Meanwhile, written-off and obsolete equipment is simply being destroyed, buried in the ground, yet it would do for radio amateurs. Why not transfer it to radio clubs and to the handicapped?

(Continued)

SRAM 012 - Continued

Cooperatives could help the handicapped, but when I called a cooperative in Novosibirsk about an antenna, they answered: "Send us 400 or 500 rubles and we'll send you an antenna." I have a pension of 100 rubles. So five months of work for one antenna!

A thousand QSLs cost 15 rubles; I have 2500 to 3000 QSOs a month. Why doesn't some cooperative sell them at half a kopeck each or print them for the handicapped free as is done in L'vov and Leningrad?

Gorokhovskiy [Anatoliy Vladimirovich Gorokhovskiy, Editor-in-Chief, "Radio"]: Comrade Melikhov has raised a number of important points. Written-off equipment could be transferred to radio clubs and to the handicapped, once a determination is made of the kind of equipment needed. Despite the revolting example he cited of the Novosibirsk cooperative's attitude, I'm sure there are lots of cooperatives who would help the handicapped out of their profits.

Turubara [Yelena Vsevolodovna Turubara, Senior Editor, "Radio"]: A special bank account is needed, to which organizations and agencies could transfer donations; its number could be published in RADIO.

Zav'yalov [V. M. Zav'yalov, Chief of the Self-supporting Association "Radio Center"]: The Radio Center's bank account could be used initially; contributors should specify that donations are for the blind amateurs' club. Our telephone number is 474-09-03.

Gorokhovskiy: Yuri Georgiyevich Al'fer'yev, UB5WJ, from L'vov, the Chairman of the Committee of Handicapped Radio Amateurs, has been very much involved with the matters we've been discussing here. He must be brought into this work.

Shul'gin [Gennadiy Grigor'yevich Shul'gin, UZ3AU, Senior Editor, "Radio"]: Transceivers produced by the DOSAAF "Chayka" plant, though expensive, could be made available to clubs in non-cash transactions and then transferred to the handicapped at a discount.

Kazanskiy: One matter already resolved is that the handicapped amateurs may now send their QSL cards not to their local club but directly to the QSL bureau of the Central Radio Club. We've eliminated an unnecessary layer. The "Rules on the Material-Technical Supplying of DOSAAF Organizations" provides that amateurs who belong to DOSAAF and who have permission to operate an amateur station may be issued equipment by clubs and schools for temporary use.

Gorokhovskiy: We need to think about everything said here today and then maybe meet again. If we work out a program of assistance to handicapped amateurs and mobilize all available forces to accomplish it, we'll be able to resolve many of the matters discussed today.

"OUR GUEST"

Hero of the Soviet Union, flyer - cosmonaut Musa Khiramanovich Manarov, U2MIR, visited the "Radio" magazine offices, where employees listened with great interest to his description of the many amateur contacts made by the Soviet cosmonauts with radio amateurs from the USSR and many other countries. "It was an amateur space - Earth radio bridge," he said, "which played an exceptional role in maintaining the morale of the crew members."

An analysis of the log of the amateur station installed on board the spacecraft showed that Musa Manarov, during the period from 12 November through 19 December 1988, conducted 1143 QSOs with ultrashortwavers from 43 countries and territories of the world according to the R-150-S [Worked 150 Countries] listing;

SRAM 012 - Continued

C6, CE, CX, DL, EA, EA8, F, G, HK, I, JA, LU, OE, OH, OK, ON, PA, PY, SM, SP, SU, SV, TI, TJ, TU, UA(Europe), UA(Asia), UA4W[?], UA9W[?], UL, UR, UB, VE, VK, VP8, VS6, VU, W, XE, Z21, ZL, ZP, and ZS.

Contacts were also made with 22 territories according to the R-100-O [Worked 100 Oblasts] listing: UR2, UA3A, UA3D, UA3Q, UA4W, UB5I, UT5U, UL7B, UL7G, UL7F, UL7P, UL7R, UL7T, UA9A, UA9C, UA9F, UA9L, UA9M, UA9U, UA9W, UA9Y, and UA0A. All were on 144 MHz FM 'phone.

"Taking advantage of this occasion," said Musa Manarov, "I asked 'Radio' magazine to convey hearty greetings and thanks from the crew of the 'Mir' Complex to all radio amateurs from our country and to our foreign colleagues whom we succeeded in contacting from space."

"RADIO AMATEURS AND . . . ESPERANTO"

by G. Yaskov, UW9YE, President of ILERA

[ILERA = Internacia Ligo de Eesperantistaj Radio-Amtoroj =
International League of Esperanto-speaking Radio Amateurs]
and V. Tsvetkova, Senior Librarian

State Public Library Named After Saltykov-Shchedrin

[Comment: Regarding ILERA and the use of Esperanto for international amateur communication, see "Whatever Happened to Esperanto?" by Edward Lindberg, W2CIL, 113 Maple Drive, Bowmansville, NY 14026-1029, in QST, June 1985, page 47.]

In July 1987, a little book called "International Language" saw the light of day in Warsaw. The author was L. Zamengof, a Polish physician, who used the synonym "Doctor Esperanto" (Doctor Hoping).

In June 1922, the first radio program in Esperanto was broadcast from the USA and soon thereafter another was broadcast from London. On 25 April 1923, the powerful Komintern station in Moscow began using Esperanto. In the same year the first programs in Esperanto started in Montreal and Rio de Janeiro, and then in Prague, Geneva, Helsinki, Paris, Berlin, Oslo, and other cities.

Radio amateurs willingly made use of Esperanto. In April 1925, the first International Congress of Radio Amateurs took place in Paris. The Congress was the beginning of today's International Amateur Radio Union. Esperanto was recognized as the language for international communications. All Congress documents were issued in English, French, and Esperanto.

In March 1926, the first All-Union Congress of the Society of the Friends of Radio recognized Esperanto for use in international communications and recommended study of the language as well as membership in the Union of Esperantists of the Soviet Republics, founded in 1921.

In the Soviet Union, radio programs in Esperanto were transmitted from Moscow, Kiev, Odessa, Khar'kov, Leningrad, Vladivostok, and other cities. However the repressions of the late 1930s and World War II blocked further spread of the language.

Only after the IV Youth and Student Festival in Moscow in 1957 was the stage set for further development of Esperanto. A network of circles grew up in the country for studying the language. Soviet esperantists started to correspond with esperantists in other countries and to attend international congresses organized annually in different cities by the Universal Esperanto Association (UEA). Among those attending were radio amateurs.

SRAM 012 - Continued

In 1970, when the congress was held in Vienna, Austrian shortwaver Rudolf Bartosch, OE3RU, proposed, at a meeting of radio amateurs, organizing ILERA, the basic task of which would be worldwide adoption of the auxiliary language Esperanto for international communications.

So ILERA was created. Frequencies ending in 66 were proposed for contacts in Esperanto: 28766, 21266, 14266, 7066, and 3766 kHz. At the suggestion of B. Chambers, KH6GT, it was decided to follow a four-hour cycle for listening and calling on each frequency.

After several years it was determined that international QSOs were best on 14.266 MHz beginning at 1230 GMT. It was suggested that the same frequency be used at 0830 and 1630 GMT. Now, even during periods of the worst propagation, one can hear conversations in Esperanto every Saturday and Sunday.

Since 1977, ILERA has been conducting contests using Esperanto only. Since not too many amateurs can speak it, the exchange has been reduced to the minimum: RS signal report and serial number.

The first meeting of Soviet radioamateur-esperantists took place in the summer of 1984 on the shores of Lake Issyk-Kul'. Not many attended, but the meeting was interesting. There were speeches, debates, and operation of collective radio station UM9MWE.

ILERA met during the 72nd Congress of Esperantists convened at Warsaw in the summer of 1987 to celebrate the 100th anniversary of Esperanto. Representatives from 19 countries attended.

Collective radio station SPOUEA was operated for amateurs at the UEA Congress, which was attended by nearly 6000 persons from over 70 countries. By the way, not a single interpreter was used.

Reports on the Congress at Warsaw and on the meeting of radioamateur-esperantists appeared in periodicals in France, Italy, the GDR, the FRG, Hungary, and Czechoslovakia. A full report on the session of the radioamateur-esperantists in Warsaw was carried in the ILERA Bulletin.

"CQ U -- INFO*INFO*INFO*"

"DIPLOMA [CERTIFICATE] OF THE SOVIET DX CLUB"

Edited by Aleksandr Ivanovich Gusev, UA3AVG

The Soviet DX Club (UDXC) and the Central Radio Club of the USSR Named After E. T. Krenkel' have established the "U DX C" Diploma, issued to any radio amateur in the world for contacting (or monitoring) UDXC members. An applicant from the Soviet Union must establish 25 QSOs, from Europe and Asia (except the USSR) 15 QSOs, from Africa and America (North and South) 10 QSOs, and from Oceania 5 QSOs. Contacts, except repeat contacts, count if made since 1 January 1988 by any mode of emission and on any band. QSL cards from observers [SWLs] who are members of the UDXC also count. Soviet radio amateurs submit an application in the form of a verified log extract. Applicants from foreign countries apply on the basis of QSL cards received from UDXC members, arranging call signs in alphabetical order of prefixes and suffixes, and indicating all data concerning the QSOs. QSL cards need not be forwarded but the Council of the UDXC reserves the right to verify the authenticity of the application. Radio amateurs from the USSR send applications to Diploma Service, Central Radio Club of the USSR Named After E. T. Krenkel', 23 Pokhodnyy Proyezd, 123459 MOSCOW. Others apply to Post Office Box 88, Moscow, USSR. The cost of the diploma for applicants in the USSR is 50 kopecks, from countries having an agreement on free exchange of awards no charge, and from other countries 14 IRCs.

Congratulations to:

Henry Herman, W3UJ on being named Citizen of the Year by the Potomac Chamber of Commerce. According to the *Potomac Almanac* of October 11, Henry is "a one-man magic show," shuffling a dozen or so issues routinely. He has been president of the Regency Estates Citizens Association for the last five years, is an active member of the National Association of Retired Federal Employees, waged a non-stop war on gridlock at the Montrose Road and Tuckerman Lane area, and has worked feverishly as a civic watchdog for his precinct. "His hard work and tenacity have won him the respect and love of his community," the paper says.

Kenneth Cohen, NI3F on being nominated to serve a second term as County Ethics Commissioner for Howard County. The County Council has confirmed the nomination presented by County Executive Elizabeth Bobo. Cohen is also ARRL Section Manager for Maryland/DC and Rabbi of Beth Shalom of Howard County.

David Cowhig, WA1LBP/4 on recognition of his article "Send Graphics by Packet" which appeared in the July issue of Auto-Call. The article is being picked up by ARRL and will appear in a forthcoming issue of QEX.

The City of Vienna, Virginia on marking its 100th anniversary. Vienna Wireless Society members will be issuing special QSL cards throughout 1990 to commemorate the event.



QTC is the story of a sea-going "Sparks" who spent most of his working life as a ship's radio operator. This thoroughly enjoyable and well written book recounts a number of exciting moments in "Sparks" career and the stories and histories of some of his professional heroes.

If you don't find this book thoroughly worthwhile, send it back and get a refund of the full price and postage. You can't lose on this one.

Today, radio operators are being phased out and replaced with computers and satellites. "Sparks" are now a fast vanishing breed. An era is passing. This book is a tribute to the profession, nearly 100 years old, and to all the radio operators who sailed on the seven seas.

\$15.00 hardcover - \$8.95 paperback + \$2 shipping

Sequoia Press

2502 Cockburn Drive

Austin, TX 78745

Call tollfree 1-800 442-1151

Have Bug -- Will Travel

Howard B. Johnson - W4IIG

Last month "we" travelled from Elizabeth, New Jersey to Yokohama, Japan via the Panama Canal - aboard the containership M/V SEALANDVOYAGER/KHRK. Upon arrival at the Mitsubishi Heavy Industries shipyard an odd sight came into view ... a section of ship hull 110 feet long and 100 feet in width, floating alongside an adjacent dock! Whilst the ship's company was back in Uncle Sugar for approximately one month, the "yardys" placed the VOYAGER in a graving dock, cut the hull in two approximately amidships and inserted the new section which increased the new overall length to 845 feet and the gross tonnage to 32,829. The new container capacity is now approximately 1,200 of the standard 40 foot boxes. Surprisingly, the average sea speed remains about the same as before conversion although the Mitsubishi-Sulzer 9RND9M main propulsion diesel plant likely works a bit harder now. On the "downside," lengthening the vessel required raising the bridge deck over 10 feet, in order to meet visual requirements for ahead-of-the-vesteelightings, thereby causing yours truly to have one more ladder (flight of stairs that is) to traverse coming and going from the radio shack. Up and down the equivalent of a seven story building several times a day helps in the exercisedepartment!

Clearing the Uraga pilot station at midnight local time on 15 July, we proceeded to sea - bound for Tacoma, Washington via Port Angeles on a modified Great Circle track, taking us within 100 miles of Adak. DX conditions on MF were exceptional, for example, Townsville Australia coast station VIP came pounding in, rattling the headphones around daylight local ships time. ZLD in New Zealand sounded like a local on 478.5kHz with his trafficlist. Of course, having a 35 foot top-loaded vertical on top of an 850 foot steel hull in the cold, salty North Pacific does make for a good receiver site! No problems with an adequate "ground" out there . . . The Amateur bands were likewise alive with DX pounding in from all over the world. Having had plenty of CW every day on the radio watches, I've not had an urge to "Ham" while at sea, but on more than one occasion I've helped the "Old Man" or Chief Engr set up their ham gear; some are avid Amateurs both ashore and afloat.

Nearing the Gulf of Alaska, it is customary to send "OBS," i.e. ship synoptic weather observations to Kodiak. Their system is a bit odd, in that one contacts NOJ on 500kHz, then shifts to 8mHz to await a call. They will not accept weather traffic on MF for some reason! As we came closer to the Southeastern Alaska & British Columbia coast, I called the Prince Rupert, BC coastal station VAJ "just for old times sake", as I worked them Point to Point every day from WXH Ketchikan with commercial traffic back in '44 & '45.

When we picked up the Pilot at Port Angeles, he turned out to be the son of a fellow with whom I went to high school in 1938-39! Small world, eh? And inbound to Tacoma I sighted one of the old "CPR" coastal steamers - large yachts in reality - which I'd last seen in Juneau 50 years before! She is now a "tourist special", running out of Victoria to Seattle. Later, in San Pedro, I saw her sistership which was (in 1985) a swank floating restaurant/museum, moored not far from the RMS QUEEN MARY/GBTT. (This call, by the way, has now been "inherited" by the "QE-2" and can be heard on 500kHz when "ELIZABETH" is in Western North Atlantic waters).

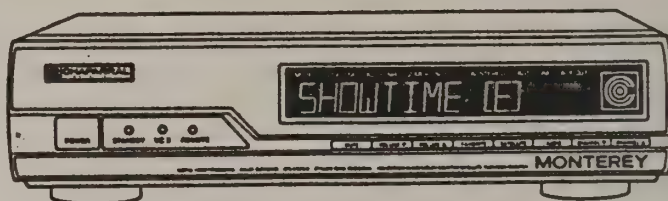
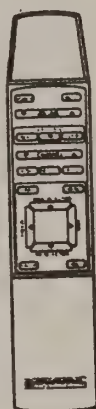
The homeward bound voyage was otherwise uneventful, and we arrived back in Port Elizabeth, NJ in time to pay-off before noon on 10 August, thus ending another seagoing "adventure" for yours truly. As luck would have it, I rejoined the "VOYAGER" on 14 November 1985 for a 105 day "RJ" (relief) assignment, to make another ten Atlantic crossings on the Rotterdam-Bremerhaven run. So ended the year 1985, with lots of memories in brain-storage, for perusal in the years to come.

"Now It's More Than Satellite TV"

Imagine being able to watch two movies at once, or catching all the action of two football games simultaneously.

The Monterey Satellite Receiver from Chaparral with its Picture-in-Picture capability and Audio/Video Switcher, lets you tune in one satellite channel, and any other video source at the same time, so you won't miss the BIG play.

Great video plus the widest variety of programming available via satellite, makes the Monterey your best choice for satellite television reception.



MONTEREY

Model 90 features:

- ☒ Dolby® Surround Sound
- ☒ MTS & Digital Stereo
- ☒ Picture-In-Picture (PIP)
- ☒ Integrated Descrambler
- ☒ IR/UHF Remote Control
- ☒ 100 Favorite Channels

Imagine having theater quality surround sound in your home. Sound so realistic you actually feel like part of the action.

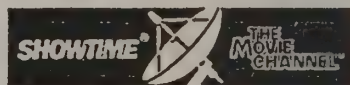
The Monterey Satellite Receiver from Chaparral with built-in Dolby® Surround Sound at the

heart of your entertainment center gives you the BIG sound experience.

Great audio plus the widest variety of programming available via satellite, makes the Monterey your best choice for satellite television reception.

Satellite TV & Monterey Deliver More Entertainment

Authorized
Dealer for:



COLLIER SATELLITE TELEVISION SYSTEMS

6844 Olney-Laytonsville Rd. (Rt. 108)
Laytonsville, Maryland 20879

921-6300 948-5931

In the Laytons Village Shopping Center 1-800-242-TVRO



Featuring the Washington Area's
Largest Satellite TV Showroom!

Showroom Hours: Tuesday-Friday Noon to 7 pm, Saturday 10-5

Your Authorized Chaparral Satellite Professional

Foundation For Amateur Radio **Ham of the Month**

Hersh D. Miller - W3SWD

Hersh Miller has been giving to Amateur Radio for most of the 36 years he has been a Ham. He obtained his first license while serving in the Korean war and in the mid '50s he helped establish an Amateur station at the Anacostia Naval Air Station. While in Foreign Service for the Department of State, he was DX from Korea, Libya and Laos. While in Libya, he was a member of the Air Force MARS traffic system.

For several years Hersh helped teach novice classes sponsored by the Department of State Amateur Radio Club and the Prince Georges Wireless Association. He also has a long association with the PG County Red Cross on behalf of Amateur Radio. During a number of foreign disasters, he handled emergency communications through the DOS club. He built much of the equipment he has used and still involves himself technically in his hobby.

He has been an active member of the Prince George's Wireless Association and the Department of State Amateur Radio Club, holding elected positions in both clubs. For 11 years he was a trustee to the Foundation For Amateur Radio, and it was Hersh who designed the original official FAR logo pins and was responsible for procurement and sale of the pins. He provided considerable assistance at several Gaithersburg Hamfests.

Hersh was a member of the emergency team of the Office of Foreign Disaster Assistance (OFDA) in the Department of State and assisted with emergency communications on numerous occasions. He participated in the Guatemala and Nicaragua earthquake disaster communications and also with several caribbean countries involved in hurricanes. His latest public service activity involved Health and Welfare status of American students in Grenada during the military action there. Several of these public service activities have been reported in Ham Radio "*Radio Angeles*."

Hersh has contributed a great deal of technical expertise to the Department of State ARC and has recently spent many hours in connection with the move of the DOS club station from the old Annex building to Main State. He worked diligently in setting up and adjusting equipment, installing difficult cable runs and fabricating wire antennas and guy for the 45-G tower. He was also part of technical team that modified a surplus Government repeater system for use of the Department of State ARC to operate on the 2-meter band.

In spite of current illness which limits his activity, Hersh is heard almost daily on the Maryland Emergency Phone Net and handles many messages for the local area.

Over all of his years as an Amateur, Hersh Miller has been a true "ambassador" for all of us in the Amateur service. It is fitting that he be recognized as the Foundation for Amateur Radio **Ham of the Month**.

Nomination submitted by Frank Holton, WA3ZMW
Hyattsville, Maryland

Ham of the Month

CRITERIA

Following are guidelines for nominations for FAR HAM OF THE MONTH.

QUALIFICATIONS: ANY licensed Amateur in the local area who has contributed significantly to the Amateur service and/or its image in the community.

REQUIRED INFORMATION: 1. Name, call and address of the nominee.
2. Description of the contributions which have been made by the nominee.
3. Name, call and phone number of person making the nomination.

NOMINATION FORMAT: Nomination in narrative form is preferred. Please be sure the material is factual. We would like to keep the finished article to under 700 words but you may write as much as you need to do a good job of "selling" your candidate. Any necessary editing can be done later by the committee. In most cases the committee will be in touch with the person who submits the nomination before publication is made.

AWARD PRESENTATION: Whenever possible, Ham of the Month awards will be presented by a FAR representative at a local club meeting or special activity that is convenient to the recipient.

There are over 50 clubs within the Foundation and there must be many "special" people deserving of recognition. Send in your nominations any time throughout the year. Development of the award process will be based on the volume and quality of activity.

Three Foundation Trustees will serve on the committee to select the FAR HAM OF THE MONTH. Both Maryland and Virginia residents are involved on the committee and they are hoping to receive nominations from all local clubs and all jurisdictions. Selection of one candidate will be made each month. Any additional nominations may be held for consideration in future months. We suggest maintaining confidentiality whenever possible. Any award is best received as a surprise.

For further information contact HAM OF THE MONTH committee chairman Tony Young, WA3YLO at (301) 262-1917. Send nominations in care of AUTO-CALL
P.O. Box 7612

Falls Church, VA 22046-1452

NEW YEAR'S AUTO-CALL COVER

For the last couple of years we have run a picture of a local youngster on the cover of the January Auto-Call. If you have a picture of a youngster under 2 years of age that you think would make a good cover picture, please send it to Auto-Call. If we get a number of entries, we will have to pick one for the cover, but we will plan to use others inside the January or future issues.

The Vienna Wireless Society
Presents
WINTERFEST™ 1990

Sunday, February 25

7:30 a.m.

Vienna Community Center

120 Cherry Street

Vienna, Virginia

GENERAL ADMISSION

\$5.00 per person
(XYL and children
under 12 free)

FOOD SERVICE

Vienna Fire Department
Ladies Auxiliary
(Early morning
breakfast available)

TAILGATING

\$10.00 per space
Available at 6:00 a.m.
First come, first served
Spaces are limited

FOR INFORMATION:

Harry Kaklikian, W4ACN
4941 Andrea Ave.
Annandale, VA 22003
(703) 978-4402

TALK IN ---- K4HTA/R 146.085/146.685

DOOR PRIZES EVERY HOUR STARTING AT 9:00 a.m.
GRAND PRIZE AT 2:30 p.m.

AN ARRL APPROVED HAMFEST

Silent Keys

Maynard Briggs, W3HWZ became a Silent Key on October 21. His was a full and industrious life. His achievements, and the honors he received, were many.

Upon graduating from the University of Minnesota in 1929 with a degree in Electrical Engineering, he joined the engineering staff at Westinghouse, Pittsburgh, PA, and was employed by that corporation until his retirement in 1969. He was Subdivision Manager of Communications and Control Engineering at the Westinghouse Baltimore Complex and received honors for his design of radio transmitters and his leadership in the establishment of industry standards. Among his many awards were election to a Fellowship in the Institute of Radio and Electrical Engineers, The Naval Ordnance Achievement Award, and a Certificate of Commendation from the Bureau of Ships noting that he had designed more transmitters for the Navy than any other person in his field. He was a charter member of the Baltimore Chapter of the QCWA and the Friendship Amateur Radio Club and served as a Trustee to the Foundation for Amateur Radio for many years. He was also a member of a number of civic and fraternal organizations. The world has lost an outstanding person, but it has been made better and more scientifically advanced because Maynard Briggs passed this way.

(Submitted by Bill Gatton, W3QFF - with input from Ross Kilgore - K3SJ)

Lou Breetz - W3LB (formerly W3KDZ) died October 22 after a long battle with complications of diabetes. Lou had been an active Amateur for 53 years and was on the DX Honor Roll with well over 300 countries worked. He worked at the Naval Research Laboratory in Washington, DC; starting out as a contract employee in 1942 in the Search Radar Branch and then converting to Civil Service status in 1945. In 1959 he moved to the Satellite Tracking Branch and, at the time of his retirement in 1974, he was Section Head of the Branch. After his retirement he came back to the lab on a consultant basis and worked another 6 years. Lou held several patents for his work with duplexers and modulators used in high power transmitters, and published a number of reports. He received many honors for his work but is probably best known for supervising the design and construction of the satellite tracking "long array antennas systems." Lou continued to be active in the NRL Amateur Radio Club and, to the day of his death, maintained regular schedules with Howard Lorenzen - W7BI (W3BLC) and other old friends from the Lab. Lou was one of our real pioneers in high power transmitters and satellite tracking. He is survived by his sister, Doretta, who will now be living in Ohio.

(Submitted by Bob Herring, NRL)

Richard Lynn, AF4W died October 25 at Alexandria Hospital. He was 82 years old and retired from the IRS. First licensed in 1923, Dick took pride in mastering any discipline he was involved in. He worked 2-meter FM and HF. His primary activity was on CW. He was also active in personal computer work. He was a member of ARRL and QCWA and was active in the Local Vic Clark Chapter of QCWA. He was always ready to lend a hand to fellow Amateurs and computer hobbyists. He is survived by his wife, Bonnie; daughter, Mary; and five grandsons. He will be missed.

(Submitted by Bill Grenfell, W4GF)

Capt. Kurt Carlsen, W2ZXM, famous ham/skipper of the "Flying Enterprise," died in New Jersey on October 1 at the age of 75. Carlsen gained international attention for staying aboard his American freighter for several days as it slowly sank into the English Channel. Hams worldwide have enjoyed working him and hearing his details of the sinking of the ship.

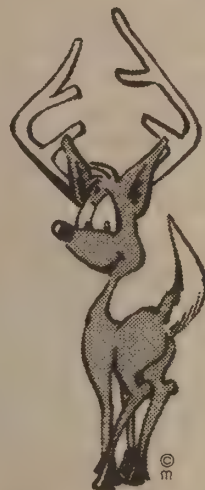
(Info from W5YI Report 11/1/89)

Alexandria Radio Club

ARES Net: Thursday at 9:00 p.m. on the 147.315 Repeater
10 Meter Net: Meets on Thursday nights at 9:30 p.m. on 28.350 MHz USB
The Club sponsors Repeaters on 147.315/915, 444.6/449.6, 6 Meters and 220 MHz
Meetings: The second and fourth Fridays of each month at the Red Cross
Chapter House, 401 Duke Street, Alexandria, VA

RUDOLPH THE RED NOSE NOVICE.

RUDOLPH THE RED NOSE NOVICE HAD A VERY SLOPPY FIST,
AND IF YOU EVER HEARD IT,
IT'S ONE YOU WOULD SURELY NEVER MISS,
ALL OF THE OTHER AMATEURS,
USE TO LAUGH AND CALL HIM LID,
THEY NEVER LET POOR RUDOLPH,
TUNE OR DIP THE GRID,
THEN ONE FOGGY CONTEST EVE,
THE BAND CAPTAIN CAME TO SAY,
RUDOLPH WITH YOUR VOICE SO CLEAR,
WON'T YOU WORK 10 METERS THIS YEAR,
THEN HOW THE CONTESTORS LOVED HIM,
AS THEY SHOUTED OUT WITH GLEE,
RUDOLPH YOUR QSO POINTS WILL GO DOWN
IN HISTORY.



(Apologies to all good Reindeer)

AND TO ALL A GOOD NIGHT
FROM ALEXANDRIA RADIO CLUB

Auto-call	
Gift Certificate	
One year subscription to Auto-Call	
From _____	
To _____	CALL _____
ADDRESS: _____	
CITY _____	STATE _____ ZIP _____

Department of State ARC

Meetings: First working Monday of each month at 1200 Noon.
Main State Department Bldg, Room 3524, Washington, DC
The Foreign Service Net: Every Sunday, 1500-1530Z on 14.316
1530-1600Z on 21.416 and 1600-1630Z on 28.416
Repeater: W3DOS/R 145.19, open access. Round Table, Thursday nights at 8:30

The Department of State ARC hosted two Russian Amateur Radio operators at the November 6th monthly meeting. Through the courtesy of Fred Laun - K3ZO, arrangements were made to bring the two hams and one XYL to the club meeting. The Russian hams were Sergey Kruglov - UA9MC and Gennadi Kolmakov - UA9MA, both from Omsk, West Siberia. UA9MA's wife, Olga, was also present.

After a rather lengthy and somewhat controversial business meeting in which we discussed the future of our 2-meter repeater system, the Russian visitors were invited to say a few words. Sergey gave a very interesting talk on DXpeditions from his part of the world. Two DXpeditions that are planned in the near future involve South Yemen, 70 and Ethiopia, ET. Several members of DOS posed questions to, or had comments to make to, the Russians.

Sergey gave his talk in his native language but was translated by Dex Anderson at appropriate intervals so good continuity was maintained.

It might be interesting to note that Sergey is a pilot for Aeroflot Airlines and flies the TU-154, while Gennadi is the head of VHF Radio Maintenance Repair and Installation Unit. They seemed delighted to exchange comments with our club members. The President of the DOS ARC, Bill Harrison, presented the men with recent issues of the Radio Callbooks - both International and Domestic. As would be expected, they came prepared to exchange QSL cards with all present.

By way of background, the Russians' visit to the Washington area was sponsored by Charley Emely - W1NW/4 of Fairfax Station, Virginia. He made arrangements for visits to several local ham stations, i.e., W3LPL and K3ZO. While at Fred's place, a special DX slide show was presented by Karl Renz - K4YT. It is understood that the Russians had some very interesting slides of their DXpeditions, also. Dave Siddal - K3ZJ, also hosted the UA9s at his home in Vienna and then took them up to his West Virginia home.

Janie, KG3R

Third Party Traffic List

A new list of countries that permit third party traffic was announced in FCC Public Notice 9/7/89. These countries are: Antigua and Barbuda, Argentina, Australia, Belize, Bolivia, Brazil, Canada, Chili, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, The Gambia, Ghana, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Micronesia, Nicaragua, Panama, Paraguay, Peru, St. Christopher and Nevis, St. Lucia, St. Vincent and the Grenadines, Sierra Leone, Swaziland, Trinidad and Tobago, Uruguay, Venezuela and United Kingdom special event stations with call sign prefix GB followed by a number other than 3.

(FCC Public Notice 9/7/89 via W5YI Report)

Arlington Amateur Radio Club

Meetings: Third Tuesday of each month at 7:30 p.m. at the Arlington Red Cross Chapter House, 4333 Arlington Blvd. (Rte. 50)
Net: Tuesdays (except meeting nights) at 7:30 p.m. on 144.87/145.47 MHz FM
Info: Harry Jones, N4CWP (703) 521-4624

On Sunday, October 22, the Arlington Amateur Radio Club hosted Boy Scouts from Troop 652 (McLean) and Cub Scouts from Pack 863 (Alexandria) at the club station - W4WVP, for the 1989 Worldwide Jamboree On-the-Air. The Boy Scouts Marc Boysworth, Geoff Shaw, Kevin Shaw, John Sower, and Eric Tignor arrived at 1:00 p.m., by which time the effects of Thursday's solar flare had

subsided enough for Gerry Greenwood - N3EVT to contact participating stations from Massachusetts to Texas on 40-meters. The Scouts talked to the headquarters station of the Boy Scouts of America - K2BSA in Dallas, as well as to Cub Scouts in Bethesda and Boy Scouts at several stations in New England and New Jersey and including K2USA at Ft. Monmouth, N.J.



Gerry also worked club member Tom Protz - N4BYF on 40-meters and 2-meters to demonstrate easy-listening, hi-fi FM communications. Meanwhile, in the parking lot, Mike Callahan - NW3V and Jim Therrel - KM4XG kluged together a 10-meter mobile rig from Mike's transceiver and Jim's antenna and tuner. Jim worked K2BSA with it.

Before the arrival of Cub Scouts from Den 3 Cameron Cate, Nick Donlan, Chris Edgar, Stewart Gottlieb, David Lavine, Pat Shillito, and Brian Spencer KM4XG brought his homebrew tuner into the shack to load up the club's 75/40-meter dipole on 10-meters and worked K2BSA a third time! Then N3EVT worked N4BYF again on 2-meters. The

cubs really enjoyed having a telephone-quality chat with him. The Cubs from Den 1 Devin Crock, Nathan Furr, and Butch Wargo arrived later and got to talk to a University of Michigan station and a Bermuda station (what a thrill!) on 20-meters.

Afterwards, at a Pack meeting on November 2, one of the Den Leaders reported, "At this date, all the boys are still talking about the visit. Each time they get together, they talk about the radios, especially the handheld ones. . . . It was a real eye-opener for the kids, who had never experienced anything like that before."

(Continued)

Metropolitan Communications Network

Meetings: Quarterly, on the second Sunday of the month.
Time and place to be announced.

Repeater: N3AGB/R, 52.250 MHz in; 53.250 MHz out.
Accessible on 144.950 MHz in the simplex mode.

On-the-air: Saturdays at 1900 hours.

Mailing: Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903

Information: Bob Sporn - WA3GGO (301) 434-1719

THE SUNDAY MORNING COFFEE NET (6 METER AM) ON 50.4 MHZ AT 0900. On 29 October, Yours Truly had some difficulty with the beam. Rudy Williams - W3UBZ came to the rescue as net control and our group ranged from Bowie to Huntington, MD.

We just received the current issue of the "Six Shooter", a publication of SMIRK (Six Meter International Radio Klub). Its current membership of 5,525 comes from all 50 states and 95 foreign countries! To join SMIRK, submit a list of six (6) six-meter contacts, along with their SMIRK numbers, dates and times worked, and a check for \$6 made out to "SMIRK". Mail to S.M.I.R.K., 7158 Stone Fence, San Antonio, TX 78227.

The fourth quarterly meeting will be held Sunday, 10 December at the QTH of Dick Logan - WB3EPX at 1500 hours. Additional nominations will be accepted for candidates for the 1990 officer, after which elections will be held. At this time, the club thanks the members of the Technical Committee and the rest of the officers for their dedication and initiative in expanding the club's activities.

Joe Saunders - K3UAL worked Luxembourg on ten meters the week of October 8th. Bob Curry - KC3VO worked the USSR before joining the Sunday Morning CoffeeNet.

Season's Greetings and best wishes for the New Year!

Bob, WA3GGO

Arlington Amateur Radio Club - Continued

Public-service activities kept Arlington ARC members busy in August and September. Several members operated the Alexandria ARC station W4HFH to monitor or handle traffic for Hurricane Hugo relief efforts. Many members also participated in the CARE '89 Disaster Drill of the N. Virginia Emergency Medical Services on October 8, the 10K Race for Cooperative Development on October 21, and the Marine Corps Marathon.

Mike, NW3V



Pentagon Amateur Radio Club

Meetings Monthly, on the second Wednesday of the month. Noon.
PARC clubroom (5B272), The Pentagon

Repeater: K4AF/R, 444.55 MHz. CTCSS 88.5 sometimes in effect.

Mailing: P.O. Box 47063, Washington, DC 20050

Information: David G. Boyd - K9MX (202) 695-2020 or (703) 659-6241 or
Dick Lum - NH6E (202) 697-0477 or (703) 938-9215

The Pentagon Amateur Radio Club PBBS is up and running on 145.03. Until we replace the antenna, some members may have some difficulty connecting. If you do, try going through the node at WA3TAI-5 or digipeating through N3DAN. The WA3TAI node, unfortunately, does not recognize aliases, so when you go through him you will be able to connect only with K4AF. We'll try to keep the autoshift on all the time so you will be automatically shifted into the PBBS, but if you can connect directly, it is more efficient to connect to PARC (the alias for the PBBS).

We also have some new gear in the club. An IC-901A has been added and we also have a frequency counter and antenna noise bridge available. We have also obtained new traps to replace those that were destroyed on the tribander by a lightning strike. We should have that antenna back on the air by the time you read this.

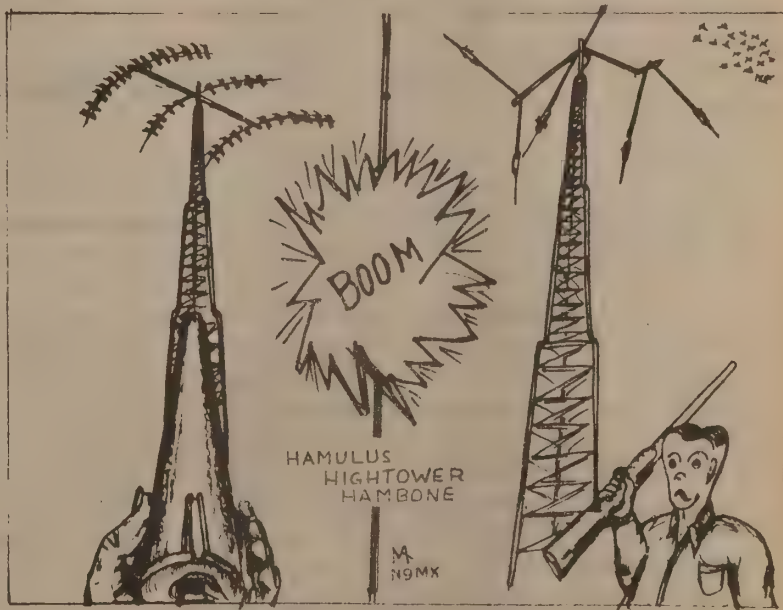
Carla Nicholson is anxiously awaiting the arrival of her new Novice license and new call. We expect she will be qualified to sign /KT even before she receives her new call.

The new microwave in the club room means you can now bring your lunch and even have it hot! As always, we continue to have a fair crowd in the shack at noontime every day and visitors are always welcome.

Don Bedell, KA3BKU, has taken steps to get our new callbooks for us at greatly reduced rates

And, finally, QST says we came in 14th out of 107 entries for Field Day - not a bad performance.

Spike, K9MX



Happy Holidays

Maryland Emergency Phone Net

Meetings: Every night, 3920 kHz, 1800 local time (All are welcome)
Net Manager: Anthony Curtis - K3RXX
Officers: Secretary KA3CSM, Treasurer W3FA
Directors: N3EGF, K3ONU, NO3Z, K2EB (Alt)
FAR Representative: KC3ZJ

The one hundred members of the Maryland Emergency Phone Net invite all readers to tune in the net any night at 3.920 MHz. We pass NTS messages into and out of the state. There is an opportunity, after net business, for comments from the participants. Follow stations off frequency and learn how messages are formatted and delivered on the air.

Summer is gone, as are the two annual opportunities for our members to gather together. Our picnic, on July 9, was terrific. It was held at a rod-and-gun club in Taneytown, N.E. of Frederick. The nearly 30 people in

attendance enjoyed fine weather, and the company was just super. Our next eyeball was at Gaithersburg, in one of the fairgrounds cowbarns. All the farmers were right at home.

MEPN almost had a chore when Hugo threatened, but, thankfully, Maryland was spared the very devastating damage it did in the islands and in the Carolinas. Considerable welfare inquiries passed through the MEPN on their way to the South Atlantic.

Tony, WA3YLO

Anne Arundel Radio Club

Meetings: 1st and 3rd Thursdays at 8:00 p.m.

Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.

On-the-air: Thursdays at 2030 Local on 147.705/105 when there is no club meeting. Tuesdays at 2030 local time on 28.410.

Maryland Slow Net (MSN) every evening at 1930 on 3.7170 MHz

W3VPR Packet Bulletin Board on 145.09 MHz.

Novice Packet Bulletin Board on 223.40 MHz

Address: P.O. Box 308, Davidsonville, MD 21035

Information: Margaret (Holly) Bevan - N3BMB (301) 923-0229

The 1989 Field Day results in the November QST revealed that the Anne Arundel Radio Club came in fourth in the 3-A Battery class. With 1195 contacts we fell just 39 contacts short of third place. Wait until next year!

About 30 AARC members turned out to do the communications for the annual Chesapeake Appreciation Days. The weather refused to cooperate, however. On Saturday minimal to nil winds simply were not enough to move the skipjacks. Unable to finish using the sufficient wind

power, the stately boats had to be assisted across the finish line by their own push boats. Then on Sunday a dense fog which continued to thicken until past noon caused the boat races to be cancelled. It proved to be a very disappointing weekend for everyone. The skipjack races are the centerpiece of the 2-day sea, air and ground festival.

The 1990 club officers will be elected on the first Thursday in December and the Christmas Party will be held on the 3rd Thursday.

Holly/N3BMB

Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Meetings: 4th Wednesday of each month, 8:00 p.m. at Capitol College
on Springfield Road, Laurel.
Social: 2nd Wednesday of each month, 7:30 p.m. at O'Toole's Restaurant
on Ft. Meade Road in Laurel.
Nets: 1st & 3rd Wednesday of each month, 8:30 p.m. on 147.54
Mail: P.O. Box 3039, Laurel, MD 20708
Information: John - W3GFS (301) 490-5286 or Frank - K3LDE (301) 498-2213

Welcome back from England to Bill Bowen - G0FWG, who is now KD3EC, and congratulations to his XYL, Mary Jo, who recently became N3HNC.

RECENT EVENTS:

September and October proved to be two of LARC's busiest months this year and it kept our members hopping. It began on the 10th of September at Gaithersburg with LARC's all day operation of the hamfest information booth by KD3S, K3LDE, N3DUE, KA3HSC, N3DYG, N3FQA, and N3FNF. At the same time, another club contingent was giving ham exams at the nearby Holiday Inn. K3QAP directed this activity, supported by NA3T, NK3W, NN3P, and W3GFS at the VET and KU3Z, K3IOG, WA4AVU, KA3QPU, K3QDC, and WA3QGA as registrars, graders and organizers. The turnout was somewhat smaller this year, only about 30 came to be examined.

Through careful planning, we again managed to have two major events occur simultaneously a few weeks later - one of our monthly exam sessions at Maryland Radio Center and our annual support of the Pallotti High School regional cross country meet. This exam session was directed by WB3GXW and supported by KU3Z, K3QDC, K3MHZ, NW3M, NT3Z, and NT3S.

The Pallotti High School's cross country meet was more "eventful" than usual this year. It consisted of about 15 5-km races through an open field and into the woods. Each race involved 60 to 120 participants (1 race per participant). LARC manned the entire course to provide race organization support, runner

safety, and contact with the Laurel Rescue Squad.

The weather was the worst in years, with heavy rains and high winds sweeping through the area. Injuries were up. LARC members brought many injured runners to the rescue squad. During the course of the day, six runners were taken to the hospital by the rescue squad and at least 25 others were treated for lesser problems. N3AUQ and W3GFS operated as net control, K3IOG transported the injured, and N3AUY swept the course on a motorized dirt bike after each race. NA3T, KA3GVR, KA3UZI, N3GNI, WB3HZI, N3GPH, N3GPR, N1DPU, KA3QPU, WA4AVU, N3DUE, KA3HSC, and WB3KXJ faithfully manned the course all day, in spite of somewhat "inclement" periods. Many compliments were received from Pallotti officials, coaches, and runners for our assistance and the value of Amateur Radio communications.

The major event for October was our annual LARC Special Event. On the 21st we operated from the Beltsville Agricultural Research Center under K3IOG. It was a beautiful, crisp fall day, dampened only by a major magnetic storm which slowed the contact count. Using the motor home of N3DYG and N3FQA, N3AUQ's trailer and N3GPR's mobile, we operated two HF phone stations, one HF CW station and one 2-meter FM station. G5RV antennas were quickly erected between the tops of trees, thanks to the archery and rod & reel skills of K3IOG and K3LDE. Additional operators included KA3QPU, WA4AVU, N3DUE, KA3HSC, W3GFS, W3DQI, N3GNI, KA3GVR, WB3KXJ, K3KCS, WB3GXW, KA3UZI, and NV3C. N3DUE again

Metrovision

FAST SCAN - COLOR - ATV

Meetings: Quarterly: Call for next meeting time and place.
Repeater: WA9GVK/4 (Video and Audio) 438-444 MHz in; 425-431 MHz out
Also accessible on 144.970, simplex, audio.
On-the-air: Sundays at 8:00 p.m.
Mailing: Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information: Warren - N4MWU (703) 573-9619
Dick - WB3EPX (301) 439-8135

The Metrovision annual picnic/meeting was held at the QTH of Ruth and Dave Phillips on Saturday, October 14, and a good time was had by all. The new Metrovision officers for 1990 were elected at the picnic/meeting and included the following:

President: Dick - WB3EPX
Vice Pres: Gene - AD3F
Secretary: Bernie - WD4O
Treasurer: Bruce - WA9GVK

Some of the members and friends who attended the festivities included:

Chris - KA3TQD (a new member),
Sam - N3GHY, Warren - N4MWU,
Bob - KC3VO, Mike - KA3TMQ,
Ed - W3EW, Skeeter - WA3UDY,
Ken - W3DFS, Gerald - KB4QGJ
(via on-the-air hookup),

Walter Phillips, and of course our gracious hosts Ruth and Dave Phillips.

We want to welcome the following new check-ins to our Sunday night net:

Jim - KM4XG, Shep - WB3KIC,
Eddie - W3HQ, and Bob - KCEVO.

Both Bob - KC3VO and Chris - KA3TQD are now transmitting live video. We also want to welcome back Mike - KB4CVL from his new QTH near Manassas, VA.

Metrovision, in conjunction with the Goddard ARC, was able to provide video coverage of the STS-34 space shuttle flight. However, we were not able to provide support for the Alexandria disaster drill because of a lack of interest. If anyone is interested in this type of activity in the future, please let us know.

We at Metrovision take this opportunity to wish everybody a most happy holiday season. See you on ATV.

Dick, WB3EPX

Laurel Amateur Radio Club - Continued

provided fine photos for our certificate. A most enjoyable picnic lunch was had by all. A special thanks to N3GPR and K3IOG for organizing the activity. If you contacted us, be sure to send a #10 SASE to the club address for a nice certificate.

Many activities are planned for the remainder of the year. If you live in the greater Laurel area and are interested in joining an active club - come to a meeting, give us a call on 1147.54, or call one of the club officers for information.

John, W3GFS

Baltimore Radio Amateur TV Society

Meetings: Bi-monthly, Irregular. Next: October 19, December 12, 7:30 p.m. at Baltimore County General Hospital on Old Court Road in Randallstown.

Board/Business Meetings: 1st Saturday of each month at 3:00 p.m. at Pikesville Library, 1301 Reisterstown Road in Pikesville.

Nets: W3DIR/R 147.63/03. Also via 224.88/R and 443.40/R linked to 63/03.
Weekly DX Net on Thursdays at 9:00 p.m., KN3P NCS
Horsetrader Net on Mondays at 7:30 p.m., KT3V NCS
Weekly News Bulletins on Saturdays at 1:30 p.m., W3GXX NCS
Packet Net Friday at 9:00 p.m. W3GXT NCS

Address: P.O. Box 5915, Baltimore, MD 21208

Novice Class Information: Call Bill Self, KA3IDB (301) 669-0149

Any reprints from this column must be approved in advance.

Special Congrats to long-time BRATS member Lon Tyler - WA3DDR on his 70th birthday!

The BRATS provided emergency communications as a Public Service at the Maryland State High School Band Championships at Memorial Stadium on October 21. Thirteen BRATS participated and had an enjoyable time while accomplishing a Public Service. We look forward to our next event - answering the phones at Maryland Public Television's December membership drive at Channel 67 in Owings Mills.

The BRATS, BARC, and several individual Amateurs donated repeater antennas and miscellaneous accessories (coax, connectors, etc.) to the St. Croix Amateur Radio Club in the aftermath of Hurricane Hugo.

Thanks to all who participated and especially to AMERICAN AIRLINES, who shipped all the material by truck to Kennedy Airport and then by plane to St. Croix - at no charge! Speak about Public Service!

We look forward to The BRATS Holiday Party on Tuesday evening, December 12 at 7:30 p.m. at Baltimore County General Hospital in Randallstown. Please join us and help us celebrate the Holiday Season with homebrew cookies, cakes and pies and an exchange of minor gifts.

Best wishes for the Holidays and the new year.

Mayer, W3GXX

Braille Packet Manual

The Owners Manual for MFJ-1270 TNC2 for Packet Radio has been transcribed into Braille and is available without charge to anyone who can use it. The purpose of the TNC-2 Node Controller (TNC) is to act as an interface between an ordinary voice radio, such as a 2-meter FM transceiver or HF SSB transceiver, and a computer. The transcription is in six volumes of various lengths. It is also available on an Apple computer floppy disk. If you are interested, call or write:

Northern Nevada Braille Transcribers
1015 Oxford Avenue, Sparks, NV 89431
(702) 358-2456 Voice/TDD

Contributions of any size are gratefully accepted.
Lois Baskerville, Advocate for NNBT

Prince George's Wireless Association

Meetings: First Tuesday of each month at 7:30 p.m. in the basement of the American Red Cross Service Building, 6205 Belcrest Road Hyattsville, MD.

Club Station: W3CEZ, VHF and HF equipment

Information: Frank Holton, WA3ZMW (301) 927-1245
4109 Kennedy Street, Hyattsville, MD 20781

In September, on an extremely hot Saturday, members of the club led by Charlie Church - KA3COT, chairman of the technical committee, completed refurbishing the club's HF tribander, TH6DXX. Other members involved were: Frank - KA3ZMW, Jim - KA3GKR, John - WB3FUL, Larry - N3EYE, and Ken - N3HLY. The antenna was installed on the roof of the ARC Chapter building.

The newest member of the club, Ken Easton, upgraded recently to Technician Class, and he now has the call sign N3HLY. Ken is active on 10-meters and he is discovering the excitement in contacting rare DX stations.

During the hurricane Hugo alert, September 21, ARC Emergency Services, PG County, called up PGWA to mobilize the communication volunteers. Reporting to the chapter Building were: Frank - KA3ZMW, Charlie - KA3COT, Don - KA3BKU, Hersh - W3SWD and Jim - KA3GKR, with Ted - W3EOV standing by at his home.

The club's VHF station was utilized to pass traffic to the ARES net control station and to one of the temporary shelters in place with an ARES operator. The club's HF station was also activated with a temporary 75-meter antenna installed. PGWA volunteers were dismissed early in the afternoon.

In preparation for the annual ARRL sponsored Simulated Emergency Test exercise, members of the emergency communications call-up list attended a session to discuss and develop an emergency scenario.

Attending were KA3COT, KA3GKR, WB3FUL, W3SWD, WA3ZMW, and W3EOV.

On SET day, Saturday October 21, the following participated: KA3COT, KA3GKR, W3SWD, N3HLY, KA3BKU, WB3FUL, and Lou - W3IHL. The exercise lasted two hours, followed by a critique period of one hour. All agreed that the exercise was excellent training to gain experience for an actual event in which the American Red Cross would be involved.

Hersh ("Dan") Miller, W3SWD

Do you have a good joke or short item of general interest to share with Auto-Call? We are always looking for "fillers" to make our pages come out even. We can use anything from one or two lines up to one or two pages. Credit line will be given. All contributions are most welcome. We can use all the help we can get!

SERVICE

While U Wait

 **commodore**

64/128/1541/1571 AMIGA 500

Authorized Service Center • In & Out Warranty

10% discount on repair with this ad,
offer expires 12/31/89.

13646 Jefferson Davis Hwy.
Woodbridge, VA 22111
391-6502 643-1170
MWF 12-6 TTS 10-4

Virginia
Micro
Systems

Mt. Vernon Amateur Radio Club (MVARC)

Meetings: Second Thursday of Each Month, 7:30 p.m.
Mt. Vernon Governmental Center, 2511 Parkers Ln., Alexandria
Repeater: WB4PDP/R 146.055 input 146.655 output
Nets: Every Tuesday at 8:00 pm (0100 UTC Wednesday's)
Starts on 2-meter then moves to 10-meter on 28.405
Information: Chris Morrow, W4WYL (703)765-5964
Training Classes: John Forrest, NZ4A (703) 971-3905
Mailing Address: c/o Chris Morrow, W4WYL, 7408 Recard Ln., Alexandria, VA 22307
December Program: Christmas Party

The October program about lightning presented by Dr. Lothar Ruhnke, which was entertaining and very interesting, inspired several days of conversation on the repeater after the meeting. Our heartfelt thanks to Dr. Ruhnke for an "enlightening" evening!

We are pleased to welcome three new members who attended the October meeting - Walt Schroeder KC4MQB, Doug Fischer WA3WEP, and Bob Reagh VE7XE/W4. CONGRATULATIONS to two members who upgraded to Technician - Bob Crea N4WWK and Al Sommers KC4IBQ - great work! And welcome to our five visitors - Ken Simmons and Steve Pearson who are currently in our Novice class, Charlie Waddell KC6W from Los Angeles, K. C. Jones KC4MAD, and Steve Bookout NJ4F. Thank you Charlie KC6W for your comment that our club is a good one.

Continuing our tradition since the club began, a Novice/Technician class started on October 2 with twelve participants. Once again this year, this

is a joint effort of MVARC and the Alexandria Radio Club. The class will continue to meet weekly through December 11. Another class is planned to begin in late January and will be either Technician/General or General/Advanced.

On October 21, the club had a table at the West Potomac High School Fall Festival. An HF rig with antennas for 10 and 40 meters and a packet station were set up for demonstrations. The club also provided the two Festival organizers with "shadows". Thanks to Steve WB4EEA, Bob VE7XE, Dick AB4JX, Dave WA1LBP, Rick KF4LM, John KI4HK, Mary N4TCI, Doug WA3WEP and Marci KM4VM.

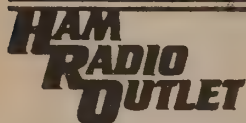
The December meeting is our annual Christmas party. This year it will be at the Mustache Cafe. "One-up" begins at 6:30 p.m, the buffet dinner at 7:30 p.m. For information/reservations contact Steve - KB4WKK (H) 751-6379 (W) 646-3051. Remember your gag gift. -- see you there!

Marci, KM4VM

DX Opportunities

Bouvet Island. Another group is planning to operate from this remote and inhospitable island for 10 days beginning February 1. Using the call sign 3YOB, they intend to keep six transmitters on the air 24 hours a day throughout the DX-pedition. Bouvet is number 2 on The DX Bulletin's Most Wanted Countries List.

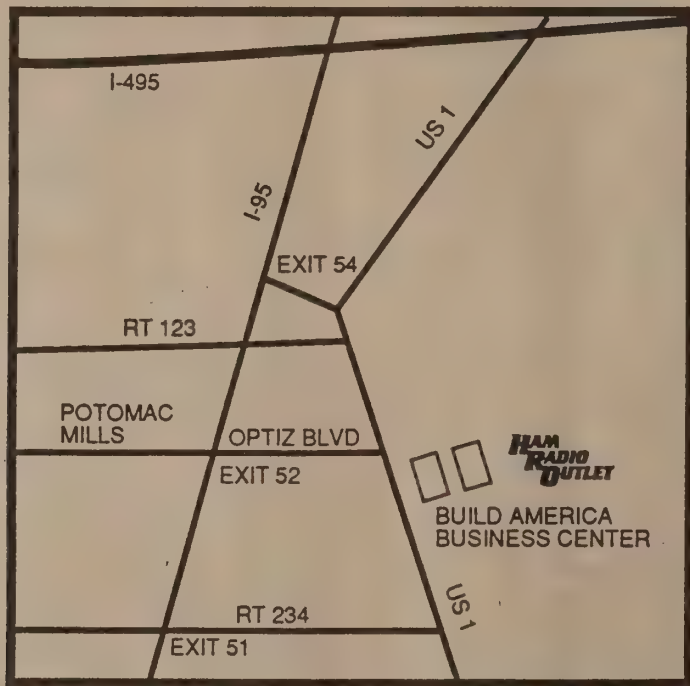
(From VWS Relay 9/89)



ORDER TOLL FREE
(800) 444-4799
Woodbridge, VA

WOODBIDGE, VA 22191
14803 Build America Drive
(703) 643-1063
(703) 494-8750
Linda, Mgr. KB6XT
18 miles south of DC on 54, I-495

STOP IN FOR OUR NEW CATALOG



All These Major Brands In-Stock
and Much, Much More
at Discount Prices



hy-gain



Kantronics



ICOM

KENWOOD



ASTRON
CORPORATION



TEN-TEC

AMERITRON



antenna specialists



Cushcraft
CORPORATION

YAESU

MFJ

HUSTLER



Larsen

uniden



ALINCO

concept



BENCHER, INC.

National Capital DX Association

Meetings: Irregular. Next meeting Sunday, December 17, 4:00 p.m.

Contact the Secretary for information.

On-the-Air: Every Sunday at 8:30 p.m. on 147.420. All are welcome.

Information: Ralph Bates, K1ZZI (703) 237-0321

NEW OFFICERS

The officers and the general membership of the NCDXA are pleased to announce the results of the recent election of club officers. The term of office runs from October 1989 to October 1990.

President: David Hammond, WC4B

Vice Pres: Dan Szymanski, K3SKE

Secretary: Ralph Bates, K1ZZI

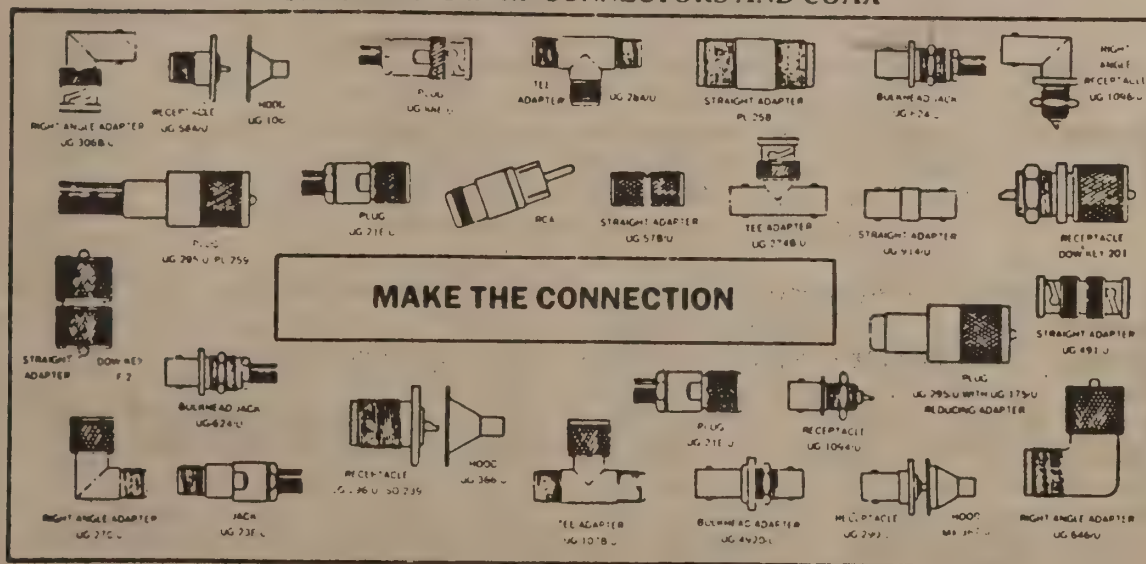
Treasurer: Henry Herman, W3UJ

NCDXA was founded 1 August 1972, and currently has a membership of about 87. The Association is a 100% ARRL membership club.

Dan Szymanski, K3SKE

The R.F. Connection

"SPECIALISTS IN RF CONNECTORS AND COAX"



The R.F. Connection

213 N. Frederick Ave., Suite 11, Gaithersburg, MD. 20877

301-840-5477

-290

Shenandoah Valley Amateur Radio Club

Meetings: First and third Fridays of each month at the SVARC clubhouse on Grace Street in Winchester, VA.
Repeater: 146.22 in 146.82 out
Club Address: P.O. Box 139, Winchester, VA 22601

The SVARC awarded two scholarships this year; one went to Shelia Elizabeth Ames from Clarke County. Shelia will attend Virginia Tech. The other scholarship went to Gary Warner of Warren County. Gary is attending V.P.I. Both scholarships were for \$500.

I am told that George Stein - NJ3H will be net manager of the Shenandoah Valley Emergency Net, replacing Robb Kinsley - NT4S. Rob has done a great job as net manager. I am sure the net is in good hands with George.

SVARC officers have been elected for 1990. They are:

President: Walter Johnson - WA4HVV
Vice Pres: Paul Blaker - NI3T
Secretary: Mike Collins - W4ACC
Treasurer: Clifford Kitts - KD4TZ
Trustee: Irv Lavitz - WD4JSN

Walt, WA4HVV

Potomac Valley Radio Club

Meetings: Next Meeting December 11 in Tawes Building, Room 2154, University of Maryland, College Park, MD
Repeater: Most PVRC members can be found on the 147.00 Ashton repeater.
Packet: N2FB 145.57, W3LPL 145.59, W0YVA 145.51
Information: Fred Laun, K3ZO (301) 899-1235 or John Pescatore, WB2EKK (301) 622-0219

The Potomac Valley Radio Club is gearing up for the 1989/1990 contest season. Conditions this year may be the best in the last 30 years, if not the best ever. W3LPL, N2FB, W3GG, and KA3EKL are all looking for hams to operate at their multi-operator station. If you're interested in contesting, that's a great way to learn. DXpeditions from rare areas such as Bouvet, Macao, and Sudan are likely to be on this year. Contesting is a great way to increase both your operating skill and your country count.

At the last meeting, Nort Richardson, W4KFT provided some historical insight into the Club's founding in 1947, and strategies for the upcoming CQ WW contests and the ARRL Sweepstakes were discussed. The expansion of the Packetcluster DX spotting system was discussed. The system now regularly has as many as 50 simultaneous users. The next meeting is November 13 at the Temple Hills Church.

John, WB2EEK

Antietam Radio Association

Meetings: 1st and 3rd Tuesdays of each month at 8:00 p.m. in the CD EOC in the basement of Washington County Courthouse Annex Bldg., Hagerstown.

Repeaters: W3CWC/R 146.34/.94 MHz and K3UMV/R 147.69/.09 MHz

Nets: Washington Co. 2-Meter Net, Tues. 7:00 p.m. on 146.94 Repeater
Four-States Net, Thursdays 7:00 p.m. on 147.09 Repeater
Both nets are emergency training and traffic nets.

Information: Antietam Radio Assoc., P.O. Box 52, Hagerstown, MD 21740. Or call:
Larry Horst, KA3SDJ (301) 432-5586 or
Ken Picone, KC3TT (301) 824-3519

The 1989 Christmas Banquet will be held December 8 at 6:00 p.m. in the Morris Frock American Legion Hall on Northern Avenue, Hagerstown, MD. There will be entertainment and awards.

The club officers for 1990 will be:

President: Larry Horst - KA3SDJ
Vice Pres: Ken Picone - KC3TT
Secretary: Bette Whicher - KA3PQO
Treasurer: Joyce Drager - KA3IXQ

Activities Mgr: Barry Schmidt - N3ECM
ARES Officer: Charles Anderson - NF3X
RACES Officer: Bill Datum - KA3LBF

The Antietam Radio Association is proud of its Public Service activity this past year. We provided two-way VHF communications and emergency watch service for the following events:

- o Two Hagerstown Junior College Tri-Athlons on June 3 and September 9. The course consisted of a ½ mile swim in Greenbriar Lake S.P., a 19.5 mile bike ride back to HJC, and ended with a 6.2 mile run over country roads.
- o The Greater Hagerstown 2-day Air Show at the Hagerstown Regional Airport.
- o Hagerstown Alsatia Club Mummer's Parade, 3-hours long, evening of October 28.
- o 10-KM Crop Hunger Walk. Sponsored by the Smithsburg Area Church Assn.
- o 27th Annual JFK 50.2 Mile Hike-Run on November 18. From Boonsboro J.S. to Williamsport Springfield Middle School, over 12.7 miles of the Appalachian Trail, 26.2 miles of C&O Canal Towpath, and 11.3 miles of county roads. The fastest time ever for this event was 5 hours 53

minutes 5 seconds by Mike Spinnler back in 1982.

The following hams took part in one or more of the above public service events: Herm, K2AVA; Don, KA3CIE; Wes, N3DIQ; Bob, KC3DW; Barry, N3ECM; Pete, W4FBA; Lew, W3FZT; Larry, WB3FHV; Bob, WB3GEJ; Bob, N3GQS; Dinty, W3HOF; Doug, WA4IBY; Hal, K3IJA; Ed, W3IUT; Bruce, K3JLG; Bill, KA3LBF; Jack, N3NHR; Bette, KA3PQO; Joe, WA3PTV; Joe, WB8QPG; Vic, K3UR; Mark, KA3RJK; Larry, KA3SDJ; Jim, KA3SDM; Terry, KA3SEV; Bob, NC3T; Ken, KC3TT; Bill, K3UMV; Buck, WA3VDX; Norma Jean, NC3X; Charlie, NF3X; and Stan, W3YGC.

Congratulations to the following recent examination up-grades:

Harold Gardenhour, K3QIF to Advanced
Hale Andrews, KF8BV Extra Element 4B
Robert Miers, WL7BHQ Tech Element 3A
Carrie Birmingham, KB8HAR to Tech
Ruby Birmingham, KB8IDC to Tech

The next VEC Examinations will be given on Sunday, January 28 at 1:30 p.m. Contact Ken Picone, KC3TT at (301) 824-3519.

A great time was had by those lucky enough to be at Field Day June 24 & 25 this year at Andy Abraham's farm. The club had eight rigs on the air, three video cameras and plenty of good steaks, hotcakes and refreshments. Those who missed it will have a second chance at the Christmas Banquet to see the combined video show.

We wish everyone a Merry Christmas and Prosperous New Year.

Lewis E. Danes, W3FZT

G AND G ELECTRONICS
OF MARYLAND

8524 DAKOTA DRIVE, GAITHERSBURG, MD.
Zip 20877

**WANTED
FOR
CASH!**

**USED Ham Gear, Test Equip.
and Junque Boxes**

G&G ELECTRONICS OF MARYLAND
JEFFREY GOLDMAN

548

8524 DAKOTA DRIVE (301) 258-7373
GAITHERSBURG, MD 20877

March 1 19 87

65-7198/2550

PAY TO THE ORDER OF John Q. Amateur, WA4XYZ \$ 500.00

Five Hundred and 00/100 ----- DOLLARS



CHEVY CHASE SAVINGS
AND LOAN, INC.
CHEVY CHASE, MARYLAND 20815

FOR Used Equipment

==== SAMPLE =====

⑆25507198⑆

0548

We've got one for you!

**HOURS: MON & TUES 11AM TO 9PM
WED 11 TO 5 & BY APPOINTMENT**

258-7373

SHACK SALES

Noncommercial advertising of Amateur associated equipment is available to subscribers of AUTO-CALL at a rate of 3¢ per word -- with a \$1 minimum. Commercial vendors and nonsubscriber rate is 17¢ per word - with a \$5.50 (1 inch) minimum. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Estate sales for Widows Assistance handled by a FAR club will be published without cost. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 8th of the month preceding publication.

WIDOW'S ASSISTANCE PROGRAM

Estate of Frank Kohl, W4NM

KENWOOD TS-530S Transceiver . . .	\$500
Reflectometer SWR/PWR Meter . . .	15
Auttek Research CMOS Keyer MK 1 . .	75
SST Model T4 Antenna Tuner . . .	40
WATERS Dummy Load - Model 334A .	60
1KW Power Supply, four 866Jr. tubes	50
VIBROPLEX Iambic Key	60
VIBROPLEX Original Bug	65
Azimuth Dual Clocks	10

All prices are negotiable

FAR Widow's Assistance Program

c/o Bob Henkel - NA3R

(301) 649-4494

Silver Spring, MD 20902

FAR ASSISTANCE PROGRAM

Equipment of "Zoli" Bogar - W3CJM

Now in Nursing Home

SWAN 350 with Power Supply. . . . \$300
 Linear (has been worked on), scope, parts, old tubes. Make offer
 HiGain antenna on 35 foot triangular tower. You take down. . . . Make offer
 Call Mrs. Bogar (301) 598-6137, Layhill, MD (North of Wheaton). (FAR)

FOR SALE: HEATHKIT SB-200 Linear with extra 4D32 tubes - \$300. Call W4ONE (703) 323-6555, Fairfax, VA (12)

WANTED: HAM EQUIPMENT AND OTHER PROPERTY. The Radio Club of Junior High School 22 NYC, Inc. is a nonprofit organization, granted 501(C)(3) status by the IRS and incorporated with the goal of using the theme of ham radio to further and enhance the education of young people nationwide. Your property donation or financial support would be greatly appreciated and acknowledged with a receipt for your tax deductible contribution. If you call or write today it's not too late to get a 1989 tax deduction. It's easier, faster, and usually more profitable to donate than to sell. Most important, your helping. Write us at: P.O. Box 1052, New York, NY 10002. 'Round the clock hotline at (516) 674-4072. (12)

FOR SALE: KENWOOD Twins R599D T599D in super mint condition, original factory boxes. Sacrifice - \$385 plus UPS; Also WEBSTER Bandspanner mobile antenna, Azden 4000 2-meter Transceiver @ 1/0.00. Levy - W5QJT, 7600 Blanco Road #608, San Antonio, TX 78216. (512) 341-9549 anytime. (12)

NORM'S ROTOR SERVICE

Rebuilt Rotors, Parts & Service

Call Norm Jeweler - K3LYW

5263 Agro Drive

Frederick, MD 21701

(301) 874-5885

(Note new address)

Need Antenna or tower work done?

Call L. Chertok - W3GRF.

(301) 297-4888 (C-12)

SHACK SALES

WORLD RADIO, Amateur Radio's monthly newspaper can be delivered to your doorstep for only \$13 per year (\$23 overseas). Get the latest on how your fellow amateurs use their hobby to help others. Regular features are Contest & Hamfest announcements, Aerials, Digital Bus, DX World, MARS, Mobile, FCC Highlights, New Products, Propagation, QCWA, QRP, Six Shots!, Station Appearance, Traffic, VE Exams, 10-10 International News. Send your subscription to WORLD RADIO, 1779 Tribute Road, Ste. L, Sacramento, CA 95815. (Swp)

REMEMBER The Famous BRATS Hamfest and Computer Fest. Timonium Fairgrounds. Sunday, July 29, 1990. For information or reservations, write to: BRATS; P.O. Box 5915; Baltimore, MD 21208. See you there! (7/90)

WANTED: TO BUY OR TRADE WASHINGTON DC AMATEUR RADIO AUTOMOBILE CALL SIGN LICENSE PLATE.

Need Washington, DC Amateur Radio automobile license plate in excellent condition to complete a full collection of Amateur Radio plates from the U.S., Canada, and all other countries that issue them. Let me know the cost. Call (617) 275-0017 or write to Vernon G. Dameron, Jr., K1DRN, 265 Davis Road, Bedford, Mass 01730

WANTED: Amateur Radio call sign license plate from Delaware. Call K4LMB at (703) 536-8469 or write to 2012 Rockingham Street, McLean VA 22101 (12)



PHONE 949-2400

N3GCV

DAVID J. HANBURY
New Trucks
949-2400
933-5410

Dick Stevens
10901 GEORGIA AVENUE
WHEATON MARYLAND 20902

Place your order before Christmas Savings on **CALLBOOKS**

ARRL, AMECO, Gordon West, Texas Instruments, Etc. Call or write for a free catalog

JWO SERVICES

12 Hickory Place, Camp Hill, PA 17011
(717) 737-0850 Mastercard/Visa (C12)

FOR SALE: WILSON TT45B 36 foot crank-up mast - \$300. KT34XA - assembled, ready to go up - \$200. HUSTLER G6 2-Meter vertical - \$45. L. Chertok - W3GRF (301) 297-4888

FOR SALE: Complete Station: KENWOOD TS520, Remote VFO-520, AT-130 Antenna Tuner, MC-50 mike. MINT CONDITION, LATE SERIAL - \$400. Ken - W3DFS Phone (301) 422-3260, Adelphi, MD (12)

"RADIO INSTALLATIONS"

Clean - Neat - Professional
If'n you want it done right
Call us.

COMMUNICATION ENGINEERS

(301) 952 1414
Herm - K2LEQ/3
(C40)

FOR SALE: NATIONAL NC-183 w/speaker. 0.54 to 31 MHz and 48 to 56 MHz - \$100. Extras included. K4AHS (703) 532-3246, Falls Church, VA (12)

FOR SALE: COLLINS, KWM-2, with 516F-2 power supply & speaker & many spare tubes - \$500; AEA Pakratt 64 with HF Modem, F/U/W Commodore C-64 - \$200; two EA Commodore Vic-20 computers, tape deck & many program tapes - \$75; Commodore 1525 printer - \$75; RTTY and card AIR-1, F/U/W Vic-20 - \$50; Heath station control SB-620 - \$40; Tektronix O'Scope Model 310 - \$50; Waterman O'Scope 3" CRT - \$25; Wilson Model Mark IV, 2-meter hand-held with drop-in charger - \$75; Manuals for above equipment included; 5 issues of QST 1922-23-24. Make reasonable offer. Call Lou - W4MLR, (301) 572-7116, Beltsville, MD (02)

STOCK QSL CARDS

100 for \$10.50. Shipping FREE.

Send SASE for Samples

K3UAL PRINT

1520 Jutewood Avenue
Hyattsville, MD 20785

SHACK SALES

FOR SALE: Modified HALLICRAFTERS HT-41 HF Amplifier, 80-10 meters, uses either 811As or 572Bs, 600 watts out with tubes provided/ 800+ with fresh tubes. \$150/offer
AMERITRON RCS-4 Remote Coax Switcher, 4-position, no control cable needed \$75/offer
MIRAGE MP1 Peak-Reading HF Wattmeter \$75/offer
DRAKE DL-1000 Dry Dummy Load, 300 Watt continuous/1000 Watt Int. \$35/offer
ROHN BX-2 tower section; will turn a HDBX-48 into a HBX-56, no rust, with extra top plate. \$20/offer
GLB-ID2 CW identifier and timer for repeater, etc. \$25/offer
 24 pin Molex plugs w/pins for ICOM accessory port. \$3 each
 8' copper ground rods w/clamps \$6 each
WANTED: Experienced Motorola service technician to re-tune a 470 MHz Micor mobile to 440 band. Mark Moon - N3AVA, (703) 438-1851, Great Falls, VA (01)

FOR SALE: Commodore 64C; Commodore 1541-II Floppy Drive; Magnavox-80 Amber Monitor; AEA COMPAKRATT cartridge for AMTOR, Packet, ASCII, BAUDO and CW operation; AEA cartridge for FAX; RS232 adaptor; color/bw TV adaptor for PK232; 2 SIMCON TAC-2 Joysticks; software included for GEOS, a few games, Contest Log, Grayline antenna evaluator, MBA-TOR, Timeworks WriteWriter word processing program; Package deal only - \$285 Firm
 Galaxy 5 and power supply (as is) \$75
 2nd Galaxy 5 with PS (as is) \$75
 Fred Griffie - N4FG, (703) 978-6358, 8809 Stark Road, Annandale, Virginia 22003-3962 (12)

FOR SALE: KENWOOD TM-231A - 50 watt 2-meter FM Transceiver, 20 memories, DTMF Mic with control functions. Four months old, mint condition, box and manual - \$310. KENWOOD R-2000 HF Receiver. Like New, 5 months old, box and manual - \$450. KENWOOD TH-215 2-meter Handheld. All features, two batteries (2.5 watt). Six months old, excellent condition, box and manual - \$250. HUSTLER 2-meter 5/8ths Mag mount antenna - \$15. Call Mike (703) 845-5427, Alexandria, VA (12)

WANTED: Microlog ACT-1 RTTY/CW system. Consider the ATR-6800 if cheap enough! Ed - W3EKT, 3420 Shady Lane, Glenwood, Maryland 21738. Phone (301) 854-6680 evenings. (12)

CLEANING SHACK

FOR SALE: COLLINS 30-S 1 Amp. . \$1000
 KENWOOD T.S. 520 w/Filters . . . \$395
 KENWOOD T.S. 530S w/All Filters . \$575
 KENWOOD T.S. 930S w/All Fox Tango Filters and Auto Tuner. Like New \$1200
 HALLICRAFTERS HT-33 Amplifier . . \$250
 PANASONIC Short Wave Receiver . . \$195
 New, Paid \$350
 NYE VIKING 3 KW Tuner \$195
 HALLICRAFTERS SR 2000 2KW Xcvr. \$300
 Needs minor repair
 DRAKE TR-4C with AC4 and MS4 . . \$395
 Absolutely Mint
 New Security Alarm System \$500
 Never used. Paid \$1000
 Call Mike - W0NHY (703) 444-0866, Sterling, Virginia (12)

See More Shack Sales
 On Next Page



Society

Of Wireless Pioneers

THE INTERNATIONAL ORGANIZATION
 OF PROFESSIONAL RADIO TELEGRAPHERS

WM J BROWN, SEC 365-2049

Serio & Company, Chartered
Certified Public Accountants

7910 WOODMONT AVE., SUITE 1110 BETHESDA, MD 20814

JOHN T. NUTTMANN, CPA

(301) 652-5040

Shack Sales

DESPARATELY NEED A Tri-Band beam and rotor! Call Bob, WB4FCR in Washington, DC at (202) 667-4240. (12)

INSTANT CASH for surplus tube inventories. Clean out your shacks, closets, and surplus receiving transmitting and special purpose tubes. Also SELL Dow co-axial relays, 115 v AC. Limited supply only \$20 each. Milton Levy - W5QJT, 7600 Blanco Road, San Antonio, TX 78216. (512) 341-9549

WANTED: Used crystals for the CW portion of the ham bands. Crystals in HC-6/U holders preferred. Call John Bailey at (703) 273-1053 (evenings)




Become a part of one of the country's fastest-growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For a sample newsletter, write Joe Koester, 249 Spring Gap South, Laurel, Md 20707. (301) 725-4229. (Swp)

WANTED: Old, Odd, and Unique Bugs. "Smiley," WB4EDB. P.O. Box 5150 Fredericksburg, VA 22403 or call collect (703) 373-0996 (11)

WANTED: A good Woman. Must be able to clean, cook, sew, climb towers, string antennas, bury radials, and run a dupe sheet. Must have own rig and tower. Send picture of rig & tower. Sparkie Collins, c/o Raleigh ARS Newsletter, P.O. Box 17124, Raleigh, NC 27619 (S)

SWAP OR SELL: Famous ENTERPRENEUR INSTITUTE course, "Build your own Business." BRAND NEW 5-volumes, over 2500 pages. I bought for \$450, intending to use for post retirement. Plans have changed, can't use it now. Yours for \$225 or trade for VHF or 10-meter gear. Mel - WA3AGP. Call (301-490-3308, Laurel, MD (11)

This Space
Was Available for Your Ad
Advertise in Auto-Call
Our Ads Get Results



WD4LCO (703) 751-8500
FAX (703) 751-8510

EDWARD G. FINN
Director of Operations

Washington House Photography, Inc.

WORLDWIDE CUSTOM LAB, DISPLAY & EXHIBIT PRODUCTION
885-E SOUTH PICKETT STREET • ALEXANDRIA, VA 22304 USA

AMATEUR RADIO NEWS SERVICE Publication Contest

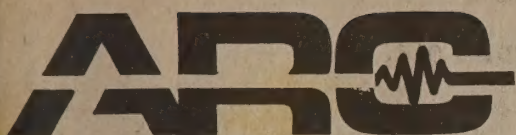
The Amateur Radio News Service is conducting a publication contest aimed at identifying and recognizing superior performance in Amateur Radio journalism. The contest is open to all Amateur Radio organizations. Membership in ARNS is not required. General circulation magazines and professional journals are not eligible.

To enter the contest, submit one copy of any issue of your club's newsletter published during the period July 1988 through December, 1989. For contest rules and application, send SASE to Amateur Radio News Service

11 S. LaSalle Street, Suite 2100
Chicago, IL 60603

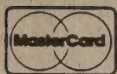
Papers will be assigned a classification based on club size. Within each classification, papers will be judged on General Format, Appearance, and Content. Certificates will be awarded in one of the categories of SUPERIOR, EXCELLENT or GOOD and a copy of the judges' summary critique will be provided each contestant, showing outstanding characteristics of the publication and suggestions for possible improvement.

Deadline for receipt of entries is December 31, 1989.



Amateur
Radio
Center

"Where Every Day Is A HamFest!"

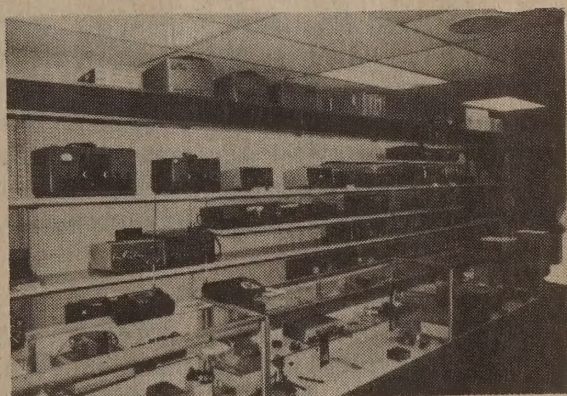


101 E. Holly Avenue, Suite 3
Sterling, Virginia 22170
(703) 430-5555

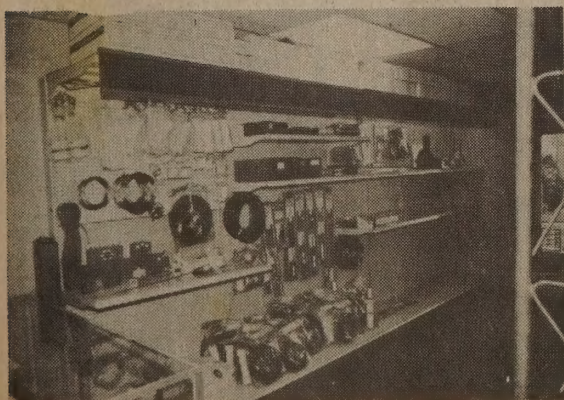
ARC is located in Sterling Park.
Take Rt. 7 West to Rt. 846 Sterling Blvd.
Turn Left 1.5 miles to holly plaza center or
Rt. 28 to 846 then right to Holly St.
We are located in Holly Plaza, Suite 3



"Where Every Day is a Hamfest"



Large Selection of of used and reconditioned equipment



All of your antenna and tower needs



Parts

AUTO-CALL POLICY

PRODUCTION POLICY

Copy for Auto-Call will be accepted in any form — handwritten, typed, compatible computer disk or modem. (We use an IBM AT clone and WordPerfect 5.0 word processing program, Hayes compatible modem - 300 or 1200 baud.) All hard copy is re-typed to preserve uniformity of style in the magazine.

In determining space requirements, figure 80 12-pitch characters per line and 60 lines per page — including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper and should be in proper page ratio. Any copy can be reduced or enlarged as desired.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portion of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Deadline for copy is the 5th of the month preceding the publication date. Shack Sales will **NOT** be accepted over the telephone. Full address must be provided for our reference but need not be published. Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to include the city along with a telephone number so that readers will know whether a long-distance charge is involved. The entire telephone number — including city and state — is counted as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number or group of letter/numbers is counted as one word. Remittance must accompany each ad.

See next column for additional information on advertising. For further information, phone the Auto-Call editor at (703) 536-8469, McLean, VA.

ADVERTISING

SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of Auto-Call at a rate of 3¢ per word — with a \$1.00 minimum. Commercial vendors and non-subscriber rate is 17¢ per word — with a \$5.50 minimum.

Special headings or special spacing may be used (e.g., one item per line) but such ads will be charged at a column inch rate — \$1.00 per column inch for non-commercial ads, \$5.50 per inch for commercial vendors and nonsubscribers.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

Display ads are charged according to size and duration of run as shown below. All advertising must be pre-paid for at least the current month.

Rates per Issue

Page	Col	inch	1 Year	6 Times	3 Times	1 Time
Full	18		\$75.00	\$90.00	\$100.00	\$105.00
1/2	9		55.00	65.00	71.00	75.00
1/3	6		40.00	48.00	51.00	54.00
1/4	4 1/2		33.00	38.00	41.00	43.00
1/6	3		22.00	26.00	28.00	30.00
1/8	2 1/4		17.00	20.00	22.00	23.00
1/9	2		16.00	19.00	21.00	22.00
1/18	1		8.50	10.00	11.00	11.50

Based on camera-ready copy.

Extra charges for halftoning photos and for in-house artwork or layout.

Copy must be received by the 5th of the month preceding publication date. (e.g., Copy for June issue must be received by 5 May)

All Advertising Must be Pre-paid



JOIN ARRL

BENEFITS FOR YOU

QST, QSL Bureau, Awards, Low Cost Insurance, Operating Aids,
Government Liaison and More—Much More!

MEMBERSHIP APPLICATION

Name _____ Call _____

Street _____

City _____ Prov./State _____ PC/ZIP _____

\$25 in U.S. \$36 elsewhere (U.S. funds) Licensed amateurs, or age 65 or over, upon submitting proof of age, may request special dues rate of \$20 in the U.S. \$31 elsewhere, in U.S. funds. Persons age 17 and younger may qualify for special rates, write for application.

For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.



Expires _____

Bank. No. _____ Expires _____

The American Radio Relay League

225 Main St. Newington, CT. 06111 USA

**AUTO
CALL**

Atlantic Division Director
Hugh Turnbull, W3ABC
6903 Rhode Island Avenue
College Park, MD 20740
Phone: (301) 927-1797

Roanoke Division Director
John Kanode, N4MM
Rt 1, Box 73-A
Boyce, VA 22620
Phone: 703-837-1340

AUTO-CALL Magazine

P.O. Box 7612

Falls Church, VA 22046-1452

Please enter my NEW _____ RENEWAL _____ Subscription to Auto-Call

For 1 Year _____ 2 Years _____

(Subscription rate: \$6.00 per year)

(Sample copy of latest issue \$1.00)

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Make check payable to Foundation For Amateur Radio

NOVEMBER 1989

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1 Mobileers Shenandoah	2 <u>EXAMS</u> College Park Richmond VA Beach
3	4 DOS	5 Antietam PG Wireless	6 BARC MARC	7 Anne Arundel	8 Alexandria SMARC Vienna	9 <u>EXAMS</u> Germantown
10 MetroCom Elections	11 PVRG	12 APL BRATS Party FARC	13 Laural MADRAS Pentagon --FAR--	14 No VA ARC	15 Shenandoah	16 Cap. City Tri County
17 NCDXA <u>EXAMS</u> Baltimore	18 Ole VA Hams Sterling Park	19 Antietam Arlington BRATS (3) Woodbridge Party	20 BARC Goddard MARC	21 Anne Arundel BRATS	22 Alexandria Vienna	23
24	25	26	27 Laurel MADRAS	28 St.Mary's	29	30
31 Adventists	NCDXA Net every Sunday, 147.420 at 8:30 p.m.					

AUTO-CALL

P.O. Box 7612

Falls Church, VA 22046-1452

ADDRESS CORRECTION REQUESTED

Nonprofit Organization
U.S. Postage Paid
Arlington, VA 22210
Permit 757



90/09 02649
ALRED A LAUN III K3ZD
PO BOX 31097
TEMPLE HILLS MD 20748